



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

2/10
M.S.
24/7/98
IND
2/10/98

सं० 18] नई दिल्ली, शनिवार, मई 2, 1998 (वैशाख 12, 1920)
No. 18] NEW DELHI, SATURDAY, MAY 2, 1998 (VAISAKHA 12, 1920)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 2nd May 1998

Patent Office Branch,
Wing 'C' (C-4, A),
IIIrd Floor, Rajaji Bhavan,
Besant Nagar, Chennai-600 090.

The States of Andhra Pradesh,
Karnataka, Kerala, Tamilnadu &
Pondicherry and the Union
Territories of Laccadive, Minicoy
and Aminidivi Islands.

ADDRESSES AND JURISDICTION OF THE OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and
Branch Offices at Bombay, Delhi and Madras having terri-
torial Jurisdiction on a Zonal basis as shown below :—

Patent Office Branch,
Todi Estates, IIIrd Floor,
Lower Parel (West),
Mumbai-400 013.

The States of Gujarat,
Maharashtra, Madhya
Pradesh and Goa and the Union
Territories of Daman and
Diu and Dadra and Nagar Haveli

Telegraphic address "PATOFFICE"

Patent Office Branch,
Unit No. 401 to 405, IIIrd Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Jammu and
Kashmir, Punjab, Rajasthan,
Uttar Pradesh and Delhi and
the Union Territory of
Chandigarh

Telegraphic address "PATENTOFIC"

Telegraphic address "PATENTOFIS"

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th & 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"

All applications, notices, statements or other documents
or any fees required by the Patents Act, 1970 or the Patents
Rules, 1972 will be received only at the appropriate Offices
of the Patent Office.

Fees :—The fees may either be paid in cash or may be
sent by Money Order or payable to the Controller at the
appropriate Offices or by bank draft or cheque payable to
the Controller drawn on a scheduled bank at the place
where the appropriate office is situated.

पेटेंट कार्यालय.

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 2 मई 1998

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा भुम्बरा, दिल्ली एवं चण्डीगढ़ में इसके शाखा कार्यालय हैं, जिनके प्राबल्यिक क्षेत्राधिकार और के आधार पर निम्न रूप में वर्णित हैं :—

पेटेंट कार्यालय शाखा, टीडी इस्टेट,
नीसरा तल, लोअर परेल (प.),
फ़ोन-400 013.

गजरात, महाराष्ट्र, मध्य प्रदेश
तथा भोजा राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता-“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,
एकड़ नं. 404 से 405, नीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र चण्डीगढ़ ।

तार पता-“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,

विंग सी (सी-4, ए)

नीसरा तल, राजाजी भवन बसन्त नगर,
फ़ोन-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु,
तथा पच्छिमी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, चित्तिकाय
तथा एमिनिदिक् द्वीप ।

तार पता-“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)
विजय पौलिस, द्वितीय मद्रासीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता - “पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अधीनस्थ सभी आवेदन-पत्र स्वीकार, विवरण या अन्य प्रसृत पेटेंट
कार्यालय के केवल उपयोग कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
उक्त आदेश या अहाँ उपयुक्त कार्यालय अतिरिक्त है, उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
पत्र द्वारा की जा सकती है ।

APPLICATION FOR THE PATENT FILED AT THE
HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE
ROAD, CALCUTTA-20.

The dates shown in the present brackets are the dates
claimed under section 135, under Patent Act, 1970.

12-03-1998

402/Cal/98. Malay Kumar Mukherjee, “Improved concrete
sleepers for 2-feet gauge tracks as used in Indian
mines”.

403/Cal/98. Philips Electronics N.V., “Luminaire” (Conven-
tion No. 97201019.3 on 7th April 1997 in
Europe).

404/Cal/98. Kerr-McGee Chemical Llc., “Method of pre-
paring $Li_{1+x}Mn_{2-x}O_4$ for use as secondary
battery electrode” (Convention No. 08/815,558
on 12-3-97 in U.S.A.).

405/Cal/98. Intel Corporation, “Keyboard having an inte-
gral heat pipe” (Convention No. 08/854,185 on
9-5-97 in U.S.A.).

406/Cal/98. Daikin Industries, Ltd., “Process for preparation
of modified polytetrafluoroethylene granular
powder” (Convention No. 84490/1997 on 17-3-97
in Japan).

407/Cal/98 (1) Saes Getters S.P.A., and (2) Lockheed
Martin Idaho Technologies Co., “Method for
cracking ammonia” (Convention No. 08/818,401
on 12-3-97 & 08/924,425 on 27-8-97 in U.S.A.).

408/Cal/98. Samsung Electronics Co. Ltd., “Optical wave-
guide device fabricating method” (Convention
No. 8200/1997 on 12-3-97 in Korea).

409/Cal/98. Merck Patent Gesellschaft Mit Beschränkter
Haftung. “Endothelin-Receptor-Antagonists” (Con-
vention No. 15710831.8 on 1-3-97 in Germany).

410/Cal/98. Siemens Aktiengesellschaft, “Programmable
device for distributing electrical control signals to
technical equipment” (Convention No. 19710521.1
on 14-3-97 in Germany).

411/Cal/98. Tetra Laval Holdings & Finance S.A., “Appa-
ratus for severing-sealing plastic films” (Conven-
tion No. 19715263.5 on 12-4-97 in Germany).

412/Cal/98. Emitec Gesellschaft Fur Emissionstechnologie
MBH, “Method and apparatus for monitoring an
NO_x-storage device” (Convention No. 19714715.1
on 9-4-97 & 19736967.7 on 25-8-97 in Germany).

16-03-1998

413/Cal/98. British Telecommunications Public Limited
Company “Control of data transfer and distrib-
uted data processing” (Convention No. 9705371.4
on 14-03-1997 in United Kingdom).

414/Cal/98. Labatt Brewing Company Limited, “Apparatus
for continuously chill-treating aqueous solution”
(Divided out of No. 213/Cal/94 antedated to
28-3-1994).

415/Cal/98. Mitsubishi Corporation, “A starter for an internal
combustion engine” (Convention No. 9-72674 on
25-3-97 in Japan).

416/Cal/98. Mitsubishi Corporation, “An improved starter for
an internal combustion engine” (Convention No.
9-88962 on 24-3-97 in Japan).

- 417/Cal/98. Uponor B.V., "Method for making a pipe connection, and a pipe connection" (Convention No. 971140 on 18-3-97 in Finland).
- 418/Cal/98. Bareilly Chemicals Pvt. Ltd., "Process for preparation of ka'ha from cashew testa, bhatti katha and gambier".
- 419/Cal/98. Samsung Electronics Co. Ltd., "Call processing device and method in remote subscriber module of full electronics switching system" (Convention No. 47694/1997 on 19-09-1997 in Korea).
- 420/Cal/98. Hitachi, Ltd., "Displacement fluid machine" (Convention No. 09-066075 on 19-3-97 in Japan).
- 421/Cal/98. Novibra GMBH, "A spindle for a spinning or a twisting machine" (Convention No. 19726216.3 on 20-6-97 in Germany).
- 422/Cal/98. Adamed SP. Z.O.O., "A process for the preparation of furazidin".
- 423/Cal/98. Siemens Aktiengesellschaft, "Communication terminal device and method for transmission of information between a communication network and a communication terminal device" (Convention No. 19711285.4 on 18-3-97 in Germany).
- 424/Cal/98. Siemens Aktiengesellschaft, "Integrated circuit and method for testing the integrated circuit" (Convention No. 19711478.4 on 19-3-97 in Germany).
- 17-03-1998
- 425/Cal/98. Harbachan Singh, "An improved coaster".
- 426/Cal/98. Amiya Prasad Mitra "An improved kerosene stove".
- 427/Cal/98. Philips Electronics N.V., "Radio receiver" (Convention No. 9705749.1 on 20-3-97 in Great Britain).
- 428/Cal/98. Philips Electronics N.V., "Charging of secondary cells using transmitted microwave energy" (Convention No. 9705870.5 on 21-3-97 in Great Britain).
- 429/Cal/98. ABB Flakt AB, "Device for mixing particulate material and liquid" (Convention No. 9700953.4 on 7-3-97 in Sweden).
- 430/Cal/98. Torqmaster, Inc., "BI-Stable spring loaded pivoting joint" (Convention No. 08/821,248 on 20-3-97 in U.S.A.).
- 431/Cal/98. Gholam A Peyman, "A universal implant blank for modifying corneal curvature" (Convention No. 08/845,448 on 25-4-97 in U.S.A.).
- 432/Cal/98. Intevp, S.A., "A stable hydrocarbon-in-water emulsion and method for its preparation" (Convention No. 08/822,232 on 21-3-97 in U.S.A.).
- 433/Cal/98. E. I. Du Pont De Nemours and Company, "Laser sinterable thermoplastic powder".
- 434/Cal/98. Siemens Aktiengesellschaft, "Process and communication system for setting up of telecommunication connections" (Convention No. 19711524.1 on 19-3-97 in Germany).
- 435/Cal/98. Siemens Aktiengesellschaft, "Base station and receiving device for a mobile communications system with TMA subscriber separation" (Convention No. 19713667.2 on 2-4-97 in Germany).
- 436/Cal/98. Nova Chemicals (International) S.A., "Heferoligand" (Convention No. 2,200,373 on 19-3-97 in Canada).
- 437/Cal/98. Nova Chemicals (International) S.A., "Polymerization process using a dual shear mixing element" (Convention No. 2,201,224 on 27-3-97 in Canada).
- 438/Cal/98. 1. Samir Bhattacharya 2. Abhijit Chatterjee and 3. Partha Roy, "The preparation of two highly active novel forms of gonadotropin releasing hormones (GnRH)".
- 439/Cal/98. Shelley Bhattacharya, "A process for the development of immobilized enzymes".
- 18-03-1998
- 440/Cal/98. Bhanu Prakash Vishwakarma, "An improved machine to produce energy from water waves".
- 441/Cal/98. Hydro Aluminium Systems S.P.A., "Thermally cut section bar" (Convention No. MI97 A 000617 on 18-3-97 in Italy).
- 442/Cal/98. New Transducers Limited, "Personal computing devices" (Convention No. 9705981.0 on 22-3-97 in United Kingdom).
- 443/Cal/98. Samsung Electronics Co. Ltd., "Apparatus for braking a washing machine" (Convention No. 9587/1997 on 20-03-97 in Republic of Korea).
- 444/Cal/98. Bromine Compounds Ltd., "Process for the manufacture of 2-bromo-6-methoxynaphthalene" (Convention No. 120496 on 20-3-97 in Israel).
- 445/Cal/98. Ohmi Forschung Und Ingenieurtechnik GMBH, "Method and apparatus for cleaning liquids containing impurities" (Convention No. 19711174.2 on 18-3-97 in Germany).
- 446/Cal/98. Merck Patent Gesellschaft Mit Beschränkter Haftung, "Orange color pearl pigment having high chroma" (Convention No. 9-084712 on 19-3-97 in Japan).
- 447/Cal/98. Merck Patent Gesellschaft Mit Beschränkter Haftung, "Endothelin-Receptor-Antagonists" (Convention No. 19711428.8 on 19-3-97 in Germany).
- 448/Cal/98. E. I. Du Pont De Nemours and Company, "Food rheology improvements" (Convention No. 9705746.7 on 20-3-97 in Great Britain).
- 19-03-1998
- 449/Cal/98. Synthelabo, "2, 3-Dihydrofuro (3, 2-6) pyridine derivatives, their preparation and their application in therapeutics" (Convention No. 9703395 on 20-3-97 in France).
- 450/Cal/98. Synthelabo, "Benzenesulphonamide derivatives, their preparation and their application in therapeutics" (Convention No. 9703394 on 20-3-97 in France).
- 451/Cal/98. Synthelabo, "Derivatives of N-(arginy) benzenesulphonamide, their preparation and their use in therapy" (Convention No. 9703392 on 20-3-97 in France).
- 452/Cal/98. Synthelabo, "Quinolin-2(1H)-one and dihydroquinolin-2(1H)-one derivatives, their preparation and their therapeutic application". (Convention No. 9703387 on 20-3-97 in France)
- 453/Cal/98. Synthelabo, "Dihydropyridino (1, 2-a) indol-1-One derivatives, their preparation and their use in therapy" (Convention No. 9703389 on 20-3-97 in France).
- 454/Cal/98. Techint Compagnia Tecnica, "Walking beam furnace".
- 455/Cal/98. Paent-Treuhand-Gesellschaft Für Elektrische Glühlampen MBH, "Gas discharge lamp with dielectrically impeded electrodes" (Convention No. 19711890.9 on 21-3-97; 19711892.5 on 21-3-97 and 19729181.3 on 8-7-97 in Germany).
- 456/Cal/98. Patent-Treuhand Gesellschaft für Elektrische Glühlampen MBH, "Flat fluorescent lamp for background lighting, and a liquid crystal display device having this flat fluorescent lamp" (Convention No. 19711890.9 on 21-3-97 and 19729181.3 on 8-7-97 in Germany).

- 457/Cal/98. Patent-Treuhand-Gesellschaft Fur Elektrische Gluehlampen MBH, "Flat Radiator" (Convention No. 19711891.7 on 21-3-97 & 19729175.9 on 8-7-97 in Germany).
- 458/Cal/98. Patent-Treuhand-Gesellschaft Fur Elektrische Gluehlampen MBH, "Flat Radiator" (Convention No. 19711892.5 on 21-3-97 in Germany).
- 459/Cal/98. Patent-Treuhand-Gesellschaft Fur Elektrische Gluehlampen MBH, "Flat Radiator" (Convention No. 19711893.3 on 21-3-97 in Germany).
- 460/Cal/98. Kureha Chemical Industry Co., Ltd., "Resin composition and tacky film prepared therefrom" (Convention No. 9-90317/1997 on 25-3-97 in Japan).
- 461/Cal/98. E. I. Du Pont De Nemours and Company, "Field emitter cathode backplate structures for display panels" (Convention No. 60/041,696 on 25-3-97 in U.S.A.).
- 462/Cal/98. Siemens Aktiengesellschaft, "Filter for a dust-laden gas and filtering candle for the filter" (Convention No. 19711969.7 on 21-3-97 in Germany).
- 463/Cal/98. Siemens Aktiengesellschaft, "Method of manufacture for a condenser (Capacitor) electrode made of noble metal" (Convention No. 19712540.9 on 25-3-97 in Germany).
- 464/Cal/98. Connector Systems Technology N.V., "Installation fixture for right angle electrical connector assembly" (Divided out of No. 984/Cal/94 anti-dated to 25-11-94).
- 465/Cal/98. Bollhoff GMBH Verbindungs-Und Montagetechnik, "Wire coil insert".
- 466/Cal/98. New Transducers Limited, "Passenger vehicles" (Convention No. 9705979.4 on 22-3-97 in United Kingdom).
- 467/Cal/98. Mitsuba Corporation, "Rotor of magnetogenerator" (Convention No. 9-96573 on 31-3-97 in Japan).
- 468/Cal/98. Siemens Aktiengesellschaft, "Process and array for transmission of data" (Convention No. 19713175.1 on 27-3-97 in Germany).
- 469/Cal/98. Merck Patent Gesellschaft Mit Beschränkter Haftung, "Endothelin-receptor-antagonists" (Convention No. 19712141.1 on 22-3-97 in Germany).
- 470/Cal/98. Merck Patent Gesellschaft Mit Beschränkter Haftung, "Endothelin-Receptor-Antagonists" (Convention No. 19711785.6 on 21-3-97 in Germany).
- 471/Cal/98. E. I. Du Pont De Nemours and Company, "Herbicidal Pyrazoles" (Convention No. 60/044,875 on 25-4-97 & 60/052,682 on 16-7-97 in U.S.A.).
- 472/Cal/98. E. I. Du Pont De Nemours and Company, "Improvements relating to bran gels" (Convention No. 9705739.2 on 20-3-97 & 9718071.5 on 28-8-97 in Great Britain).
- 473/Cal/98. Sankyo Company, Limited, "Humanized anti-human fas antibody" (Convention No. 9-7938 on 21-3-97 in Japan).
- 474/Cal/98. Sumana Das and Nivanani Roy, "A process for manufacture of protein rich food/beverage".

ALTERATION OF DATE

Patent No. 181240 (163/Mas/95) Ante-dated to 30th January, 1991.

CHANGE OF ADDRESS

The Address of service in respect of Shri N. Ramaswami a Patent Attorney is changed as follows :

Address

Shri N. Ramaswami,
Advocate and Patent Agent,
12, First Floor,
H-1, Thiruvalluvar Nagar,
Tiruvannamipur,
Chennai-600 041.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned may, at any time within four months of the date of this issue or within such further period not exceeding one month, applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the patent office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below again each accepted specification and multiplying the same by ru. 2/- to get the charges as the copying charges per page are Ru. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनो में किसी पर पेटेंट अनुदान के विरोध करने के दृष्टिकोण से, इसके निर्माण की तिथि से चार (4) महीने या उससे अधिक जो उक्त 4 महीने का अवधि की समाप्ति के पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित महीने की अवधि से अधिक न हो, के भीतर कभी नियंत्रक, एकत्र की उपयुक्त कार्यालय में ऐसे विरोध सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंध लिखित दस्तावेज उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में बधा विहित इसको तिथि के एक महीने भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप है।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, साथ विनिर्देशों की अंकित अथवा फोटो प्रतियों की माप पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिस उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों का जोड़ना उसे 2 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण रु. 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया सकता है।

Ind. Cl. : D 01 G 27/00

181211

Int. Cl. : 172 C 1, 4, 9

"DEVICE FOR MANUFACTURING A LEVELLED SLIVER".

Applicant : ZELLWEGER USTER AG OF WILSTRASSE 11, CH-8610 USTER, SWITZERLAND, A SWISS COMPANY.

Inventors :

1. HANSJORG RUTZ

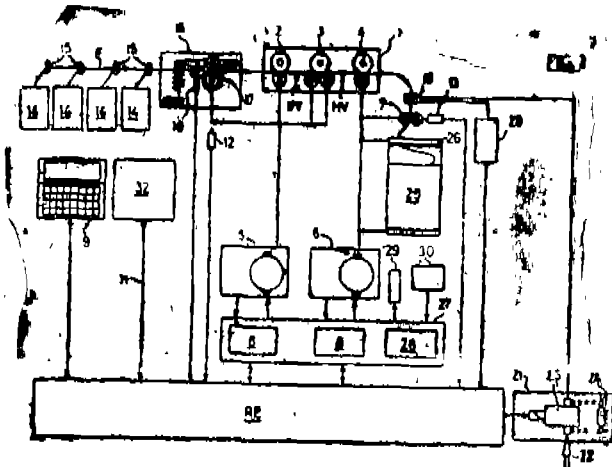
2. FRANÇOIS BAECHLER

Application No. : 101/Mas/93 filed

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

Device for manufacturing a levelled sliver, comprising a drawing unit consisting of pairs of rollers and having a constant and a variable drawing zone, drive motors assigned to the pairs of rollers, and a regulating unit for adjusting the drawing frame, characterised in that the variable drawing zone (HV) is assigned two drive motors (5, 6), first and second means (12, 13) for measuring the sliver speed at the entrance (VI) and at the exit (VI) of the drawing unit respectively are provided said means are connected to the regulating unit (RE), in which an evaluation of the measured sliver speed (VII, VAI) takes place, and one of the two drive motors is a variable-speed motor and is controlled by the regulating unit.



(Com. 12 pages;

Drwgs. 2 sheets)

Ind. Cl. : 4 A 1; A 2

181212

Int. Cl. : B 64 C 1/00

"A CONVERTIPLANE".

Applicant : OLIVER REX ANTO EMMANUEL AN INDIAN, CITIZEN, OF HOUSE 10, KUMBAR STREET, MUTHAMIZH NAGAR, PAMMAL, CHENNAI-75, INDIA.

Inventor : 1. OLIVER REX ANTO EMMANUEL.

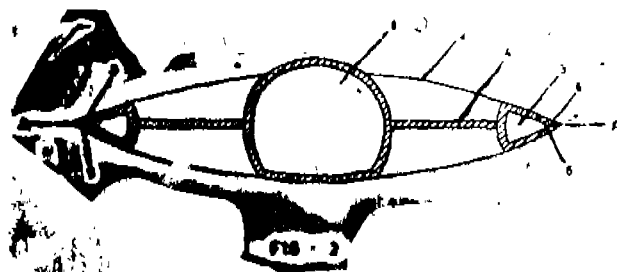
Application No. 115/Mas/93 filed 16th February 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A convertiplane comprising a fuselage with an aerofoil cross-section having an inner central section (1) and an outer section (3), at least a pair of contra rotating rotors (2) in the said outer section (3) of the fuselage, said contra rotating rotors (2) consisting of plurality of rotor blades

(7) movable about a vertical axis, the said rotor blades (7) being located at the top and bottom surfaces of the fuselage forming part of the surface of the fuselage in the collapsed position.



Com. 10 pages;

Drwgs. 3 sheets)

Ind. Cl. : 151 B, E, G

181213

Int. Cl. : F 16 L 55/00

"PIPELINE FOR TRANSPORTING FLUIDS WITH VERY HIGH VALUES OF YIELD STRESS".

Applicant : SNAMPROGETTI S.p.A. A COMPANY ORGANIZED UNDER THE LAWS OF THE ITALIAN REPUBLIC OF CORSO VENEZIA 16-MILAN ITALY.

Inventor : 1. DARIO ERCOLANI, ITALY.

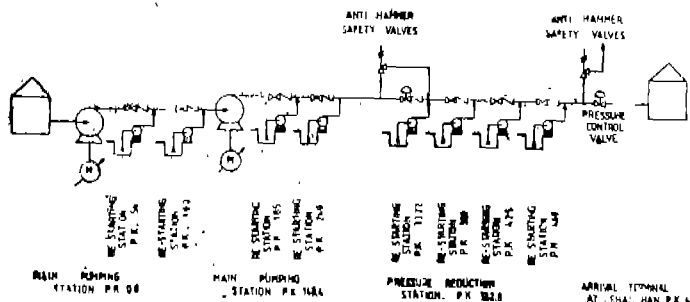
Application No. : 117/Mas/93 filed on 16th Feb., 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A pipeline for transporting fluids with very high values of yield stress characterised in that said pipeline is subdivided into partial stretches between adjacent main pumping stations, and that a plurality of re-starting stations are installed to define shorter pipeline stretches, with each re-starting station being substantially constituted by a re-starting pump and a stored amount of an auxiliary re-starting liquid fluid, said stored amount corresponding to a volume equivalent to a fraction of the pipeline volume serviced by the re-starting station in question.

A pipeline for transporting fluids with very high values of yield stress, substantially as hereinbefore described with reference to the accompanying drawing.



LEGENDA

- 1. MAIN PUMP
- 2. MAIN PUMP STATION
- 3. RESTARTING PUMP
- 4. RESTARTING PUMP STATION
- 5. RESTARTING PUMP STATION
- 6. RESTARTING PUMP STATION
- 7. RESTARTING PUMP STATION
- 8. RESTARTING PUMP STATION
- 9. RESTARTING PUMP STATION
- 10. RESTARTING PUMP STATION
- 11. RESTARTING PUMP STATION
- 12. RESTARTING PUMP STATION
- 13. RESTARTING PUMP STATION
- 14. RESTARTING PUMP STATION
- 15. RESTARTING PUMP STATION
- 16. RESTARTING PUMP STATION
- 17. RESTARTING PUMP STATION
- 18. RESTARTING PUMP STATION
- 19. RESTARTING PUMP STATION
- 20. RESTARTING PUMP STATION
- 21. RESTARTING PUMP STATION
- 22. RESTARTING PUMP STATION
- 23. RESTARTING PUMP STATION
- 24. RESTARTING PUMP STATION
- 25. RESTARTING PUMP STATION
- 26. RESTARTING PUMP STATION
- 27. RESTARTING PUMP STATION
- 28. RESTARTING PUMP STATION
- 29. RESTARTING PUMP STATION
- 30. RESTARTING PUMP STATION
- 31. RESTARTING PUMP STATION
- 32. RESTARTING PUMP STATION
- 33. RESTARTING PUMP STATION
- 34. RESTARTING PUMP STATION
- 35. RESTARTING PUMP STATION
- 36. RESTARTING PUMP STATION
- 37. RESTARTING PUMP STATION
- 38. RESTARTING PUMP STATION
- 39. RESTARTING PUMP STATION
- 40. RESTARTING PUMP STATION
- 41. RESTARTING PUMP STATION
- 42. RESTARTING PUMP STATION
- 43. RESTARTING PUMP STATION
- 44. RESTARTING PUMP STATION
- 45. RESTARTING PUMP STATION
- 46. RESTARTING PUMP STATION
- 47. RESTARTING PUMP STATION
- 48. RESTARTING PUMP STATION
- 49. RESTARTING PUMP STATION
- 50. RESTARTING PUMP STATION
- 51. RESTARTING PUMP STATION
- 52. RESTARTING PUMP STATION
- 53. RESTARTING PUMP STATION
- 54. RESTARTING PUMP STATION
- 55. RESTARTING PUMP STATION
- 56. RESTARTING PUMP STATION
- 57. RESTARTING PUMP STATION
- 58. RESTARTING PUMP STATION
- 59. RESTARTING PUMP STATION
- 60. RESTARTING PUMP STATION
- 61. RESTARTING PUMP STATION
- 62. RESTARTING PUMP STATION
- 63. RESTARTING PUMP STATION
- 64. RESTARTING PUMP STATION
- 65. RESTARTING PUMP STATION
- 66. RESTARTING PUMP STATION
- 67. RESTARTING PUMP STATION
- 68. RESTARTING PUMP STATION
- 69. RESTARTING PUMP STATION
- 70. RESTARTING PUMP STATION
- 71. RESTARTING PUMP STATION
- 72. RESTARTING PUMP STATION
- 73. RESTARTING PUMP STATION
- 74. RESTARTING PUMP STATION
- 75. RESTARTING PUMP STATION
- 76. RESTARTING PUMP STATION
- 77. RESTARTING PUMP STATION
- 78. RESTARTING PUMP STATION
- 79. RESTARTING PUMP STATION
- 80. RESTARTING PUMP STATION
- 81. RESTARTING PUMP STATION
- 82. RESTARTING PUMP STATION
- 83. RESTARTING PUMP STATION
- 84. RESTARTING PUMP STATION
- 85. RESTARTING PUMP STATION
- 86. RESTARTING PUMP STATION
- 87. RESTARTING PUMP STATION
- 88. RESTARTING PUMP STATION
- 89. RESTARTING PUMP STATION
- 90. RESTARTING PUMP STATION
- 91. RESTARTING PUMP STATION
- 92. RESTARTING PUMP STATION
- 93. RESTARTING PUMP STATION
- 94. RESTARTING PUMP STATION
- 95. RESTARTING PUMP STATION
- 96. RESTARTING PUMP STATION
- 97. RESTARTING PUMP STATION
- 98. RESTARTING PUMP STATION
- 99. RESTARTING PUMP STATION
- 100. RESTARTING PUMP STATION

(Com. 15 pages;

Drwgs. 1 sheet)

Ind. Cl. : 107 B, 98 C

181214

25 Claims

Int. Cl. : F 01 K 23/00

"A HEAT AND POWER CO-GENERATION PLANT".

Applicant : PPS PROJECT PROMOTION SERVICES AB
FISHAMNSGATAN 8D S-402 41 GÖTEBORG SWEDEN.
OF A SWEDISH COMPANY.

Inventor : 1. THOMAS STENHED.

Application No. : 122/Mas/93 filed on 17th Feb., 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

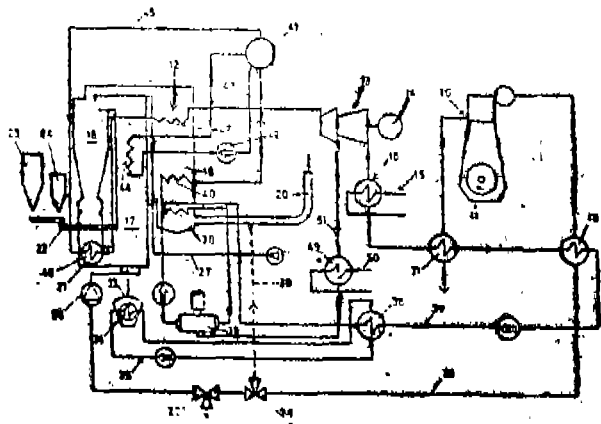
A heat and power co-generation plant comprising a diesel engine (10) driving an electric generator (11), and a CFB-boiler (12), steam generating parts (40, 41, 44, 47) of which boiler being connected to a steam turbine (13) driving a further electric generator (14), said plant further comprising :

(i) conducting means (26) for conducting exhaust gases along an exhaust pipe (25) from the diesel engine (10) to be used as fluidizing gas in the CFB-boiler (12);

(ii) a heat exchanger (15) connected to a heat consumer (16) outside the plant for condensing exhaust steam from the turbine (13) into feed water for the boiler (12), and

(iii) a heat exchanger (31) for heating the feed water to the boiler (12) by waste heat from the cooling liquid of the diesel engine (10);

characterised in that heat exchanger in the form of an exhaust gas cooler (48) is provided in the exhaust pipe (25) of the diesel motor to further heat the feed water to the boiler (12).



(Com. 9 pages:

Drwgs. 1 sheet)

Ind. Cl. : 145 B

181215

Int. Cl. : D 21 H 1/00

"A METHOD AND AN APPLICATOR FOR PRODUCING A PAPER SUBSTRATE COATED WITH BANDS OF A FLUID MATERIAL".

Applicant : PHILIP MORRIS PRODUCTS INC 3601
COMMERCE ROAD, RICHMOND, VIRGINIA 23234
UNITED STATES OF AMERICA A US COMPANY.

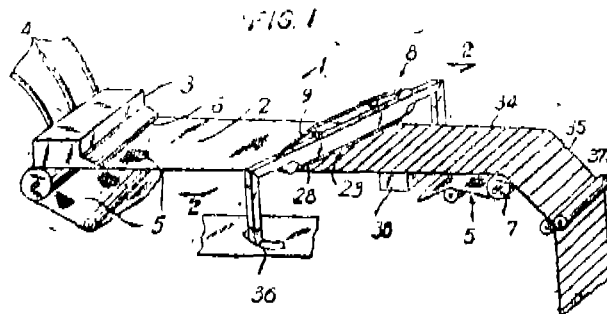
Inventors :

1. EDWIN L. CUTRIGHT
2. G. ROBERT SCOTT
3. HOWARD W. VOGT, JR.

Application No. : 134/Mas/93 filed on 23rd Feb. 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

A method of producing a paper substrate coated with bands of a fluid material such as herein described, said method comprising: moving the paper substrate along a first path; discharging the material onto the paper substrate under pressure through at least one orifice moving in first and second directions along a second endless path which comprises a portion crossing the first path, moving linearly the or each orifice continuously along the second path communicating the material with the or each orifice while the or each orifice is moving along the said portion of the second path in the first direction and not communicating the material with the or each orifice while the or each orifice is moving along the said portion of the second path in the second direction.



(Com. 28 pages;

Drwgs. 8 sheets)

Ind. Cl. : 116 B, G

181216

Int. Cl. : B 65 B 35/00

A DIVERTER FOR DIVERTING OBJECTS COMING FROM A SINGLE LINE INTO MORE THAN ONE ARRAY OR LINE.

Applicant : ITW SIGNODE INDIA LIMITED 5 S.P.
ROAD, BEGUMPET, HYDERABAD- 500 016, INDIA AN
INDIAN COMPANY.

Inventors :

1. M. D. MOHANBABU,
2. T. VENKATESWARA RAO.

Application No. 170/Mas/93 filed on 8th March, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A diverter for diverting objects such as herein described coming from a single line into more than one array or line comprising a conveyor (1) with a carrier assembly (2) having a housing mounted on a parallel key fixed on either ends, drive means (7, 8, 9) for driving the conveyor (1), one or more sensors to provide signals in response to the load on the conveyor and relative positions of the objects and adjusting means (10) for adjusting the inclination and the tension of the said conveyor (1).

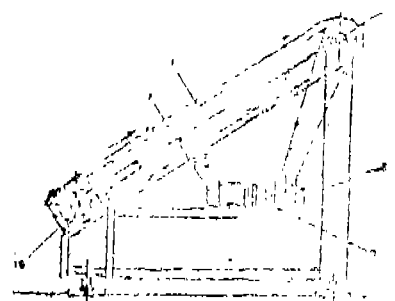


FIG. 1

(Com. : 9 Pages;

Drwgs. 2 Sheets)

Ind. Cl. : 20 B

181217

Int. Cl.⁴ : A 63 H 33/64**CREATIVE ELEMENTARY KIT FOR KIDS.**

Applicant : SIDDALINGAPPA VIJAYA LAKSHMI NO. 73, 2ND BLOCK, 9TH CROSS, JAYANAGAR, BANGALORE-560 011, KARNATAKA, INDIA.

Inventors :

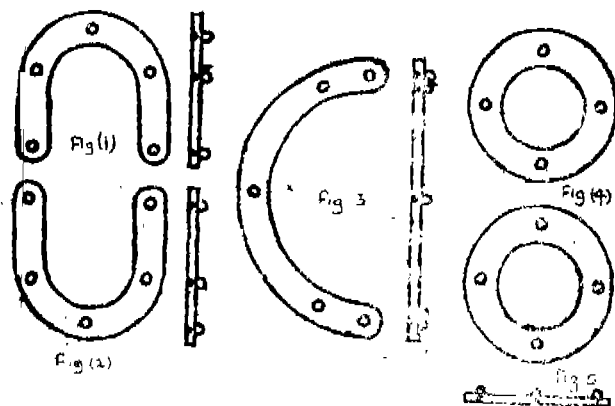
1. CHENDEVERAPPA NATARAJA.

Application No. 183/Mas/93 filed on 15th March, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

1 Claim

A Creative Elementary kit for kids, consisting of 13 elements, as illustrated on the Drawing Sheet No. 1, confining the basic shapes to four, I, C, U and O, wherein the elements of the kit are made of plastic, carrying projections or buttons on one surface and the correspondingly opposite side on the other side of the plane having depressions or slots, designed in such a way that these buttons are accommodated in the depressions by applying ordinarily hand pressure to result in various shapes, as illustrated in Drawing Sheets No. 2 to 6.



(Com. : 5 Pages;

Drawgs. : 6 Sheets)

Ind. Cl. : 116-D

181218

Int. Cl.⁴ : B 65 G - 19/00**A BUCKET WHEEL SLUICE FOR GRANULATED LOOSE MATERIAL.**

Applicant : WAESCHLE MASCHINENFABRIK GMBH OF KANALSTRASSE 55 7980 RAVENSBURG GERMANY A GERMAN COMPANY.

Inventors :

1. WALTER BEIRLE,
2. EWALD KONIG.

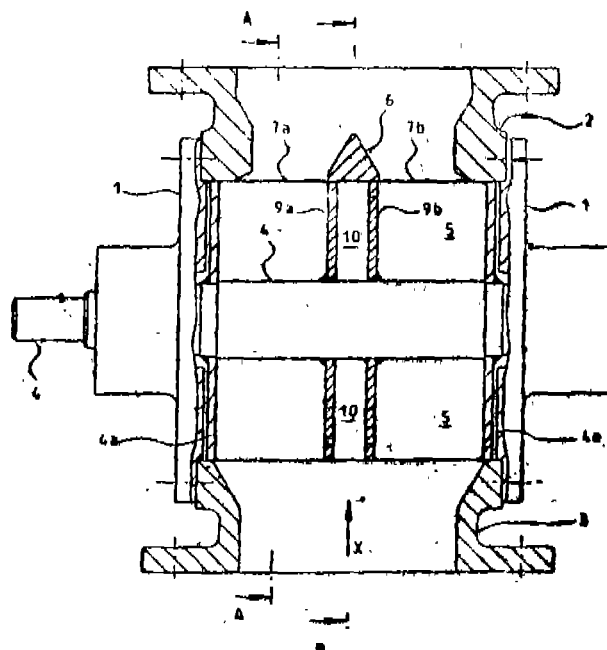
Application No. 186/Mas/93 filed on 16th March, 1993

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A bucket wheel sluice for granulated loose material, comprising a housing which contains a bucket wheel in a cylindrical bore, with an intake duct, shaft or chute which terminates in an intake throat which is divided into two regions of equal size by an elongate member of roofshaped cross-section which extends at right angles to the bucket wheel shaft, wherein the

elongate member is wider in the region of the intake throat which is passed last by the bucket wheel spokes during a revolution thereof, so that its side edges which are parallel over a first part of the length of the member act there as scraper edges which end on mutually symmetrical scraper edge sections of the intake duct which in the plan view appear as the V-shaped head of an arrow pointing in the direction of movement of the bucket wheel, wherein the scraper edge sections continue in the inner wall of the bore of the housing beneath the elongate member in grooves approximately 1.5 times the width and depth of the largest grain diameter of the granulated material the grooves meet in the main plane of symmetry of the housing perpendicular to the bucket wheel shaft; the bucket wheel beneath the elongate member includes a plurality of chambers defined by two chamber partitioning walls which extend radially outwardly in the bucket wheel and which are spaced apart from each other by the width of the elongate member, the peripheral edges of which walls lie on the imaginary surface of revolution defined by the bucket wheel, and in the regions where the chamber partitioning walls about the trailing bucket wheel spokes they each have an opening which interrupts the peripheral edge.



(Com. : 14 Pages;

Drawgs. : 8 Sheets)

Ind. Cl. : 33 F

181219

Int. Cl.⁴ : B 22 C 9/00**A METHOD AND APPARATUS FOR MAKING A CHILL MOLD FOR A THIN SLAB CASTING INSTALLATION.**

Application : SMS SCHLOEMANN-SIEMAG AKTIENGESELLSCHAFT EDUARD - SCHLOEMANN-STRASSE 4 4000 DUESELDORF GERMANY. A GERMAN COMPANY.

Inventors :

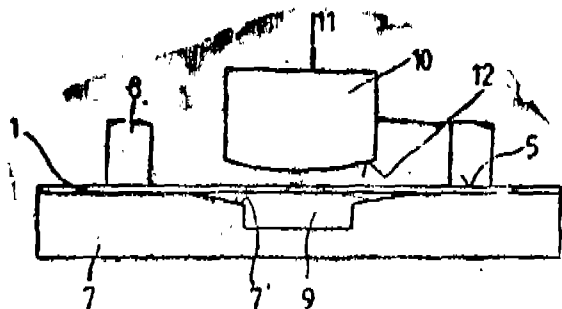
1. HORT GROTHE,
2. ERK BOYSEN,
3. HANS STREUBEL.

Application No. 197/Mas/93 filed 19th March 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A method of making a chill mold for a thin slab casting installation comprising the steps of : providing a wide side wall of copper having a thickness of 5-50 mm. machining plurality of cooling channels in the wide side wall, and forming a bulged widened region of the side wall by holding the wide side wall in a straight plane externally of the surface of the widened region, and applying pressure at least up to the location of turning points of the bulges, from one side to a portion of the surface of the widened region which is backed up on the other side.



(Com. : 12 Pages;

Drwgs. : 3 Sheets)

Ind. Cl. : 22

181220

Int. Cl.⁴ : B 65 D - 41/16

A CONTAINER AND CLOSURE COMBINATION.

Applicant : SMITHKLINE BEECHAM P.L.C. A BRITISH COMPANY OF NEW HORIZONS COURT, BRENTFORD MIDDLESEX TW8 9EP ENGLAND.

Inventors :

1. SEYMOUR,
2. POWELL.

Application No. 251/Mas/93 filed on 7th April, 1993.

(Convention date : 10th April, 1992; No. 9207987.0; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A container and closure combination, the closure being made of a resilient material, the closure and container being rotatable relative to each other about a container mouth base axis, the closure comprising an outer skirt portion, the periphery of which substantially conforms to the cross section of the container at the points where the periphery of the skirt portion meets the container, the cross sectional shape at the said point being substantially oval.

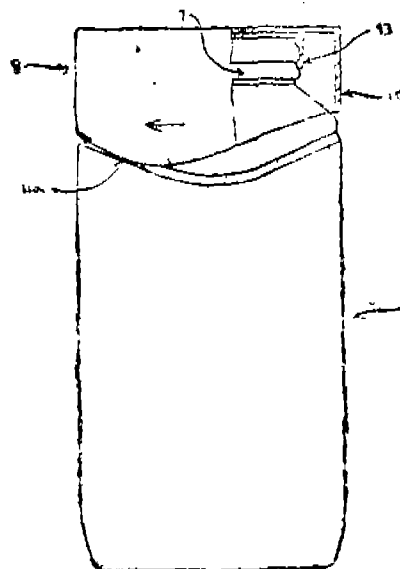
wherein there is atleast one rounded ramped portion(s) on the periphery of skirt portion of the closure being provided by a skirt portion having a scalloped periphery of alternating convex and concave peripheral regions,

and corresponding ramped portion(s) on the container provided by a ledge or shelf portion integrally formed as a moulding of the container, of corresponding scalloped shape.

Such that when the closure is in place on the container the convex portions of the periphery of the closure intermesh with corresponding concave portions of the ledge or shelf and vice versa,

the relative rotation of the closure and container about the said mouth-base axis causes the peaks of the convex portions of the scalloped periphery of the closure to ride up the curve of the concave portions of the scalloped portion of the container to cause a consequential relative axial movement of

the closure and container and consequential disengagement of the closure from the container.



(Com. : 11 Pages;

Drwgs. : 3 Sheets)

Ind. Cl. : 116 F

181221

Int. Cl.⁴ : B 66 B—13/30.

"FIREPROOF SHAFT DOOR FOR LIFT INSTALLATIONS".

Applicant : INVENTIO AG SEESTRASSE 55 CH-6052 HERGISWIL SWITZERLAND. A SWISS COMPANY

Inventor : JEAN-CLAUDE PELVILAIN,

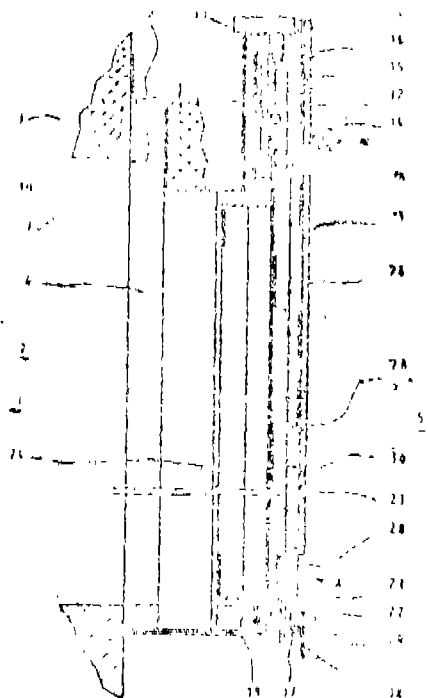
Application No. : 652/Mas/92 filed on 27th Oct., 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

Fireproof shaft door for lift installation, the shaft door being suspended by a door suspension (14) carrying a frame (23) with heat-insulation materials, whereas the door suspension (14) is attached to a roller (15) guided in a roller guide (12), the shaft door being horizontally displaceable by movement of the roller (15) along the roller guide (12), whereas a lower edge of the shaft door is attached to and guided by a sliding guide (22) in a threshold (19) of the shaft door opening, characterised thereby, that a door box (24) filled with heat-insulating fields (25) and heat-insulating mats (26) is provided at the lobby side of the frame (23) and spare (28) carrying heat-insulating plates (29) are

located at the shaft side of the frame, whereby the heat-insulating plates are spaced from the frame and form a first hollow space (30) for circulating fresh air.



(Compl. : 9 pages;

Drwgs. : 2 Sheets)

Ind. Cl. : 65 B 2

181222

Int. Cl. : H 01 F—3/04.

"A WOUND CORE FOR WINDING ELECTRIC WIRES".

Applicant : DENKI TETSUSHIN INDUSTRIAL CO. LTD., OF 7-2-10 IRIYA, ADACHI-KU, TOKYO, JAPAN, A JAPANESE COMPANY.

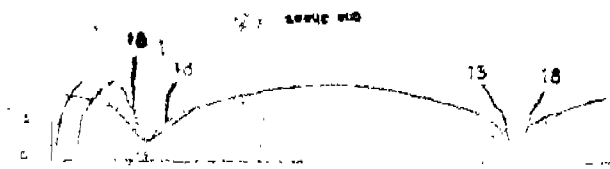
Inventor : TADATOSHI WATABE.

Application No. : 667/Mas/92 filed on 4th Nov., 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A wound core for winding electric wires wound by the rotation of attached bobbins, wherein at least the winding start portion or the winding end portion of the said core has a trapezoidal cross-section and the other portion has circular cross-section to form a gap between the portion having trapezoidal cross-section and the attached bobbin.



(Compl. : 11 pages;

Drwgs. : 3 Sheets)

2—47 GI/98

Ind. Cl. : 128 G

181223

Int. Cl. : A 61 B 17/00.

"MEDICAL DEVICE FOR RESUSCITATION".

Applicant : DR. PARANKUSAM VENKATA PRABHAKAR RAO (DR. P. V. P. RAO) AN E.DIAN, AT V. F. 214, K.M.C. QUARTERS, MANIPAL-575 119, SOUTH CANARA, KARNATAKA STATE, INDIA.

Inventor : DR. PARANKUSAM VENKATA PRABHAKAR RAO.

Application No. : 768/Mas/92 filed on 28th Dec., 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A medical device for resuscitation known as Airway which comprises a head portion, a shaft connecting a tail and a tail piece with the head portion, the tail and tail piece being angularly placed with reference to the head portion.



Fig. 1

(Compl. : 7 pages;

Drwgs. : 1 sheet)

Ind. Cl. : 87 C

181224

Int. Cl. : A 63 B 59/12.

"HOCKEY STICK WITH A REINFORCED BUTT".

Applicant : CHRISTIAN CONSTANTINESCU OF FROBELSTRASSE 7, 6907 NUBLOCH, GERMANY; A GERMAN NATIONAL.

Inventor : CHRISTIAN CONSTANTINESCU, GERMANY.

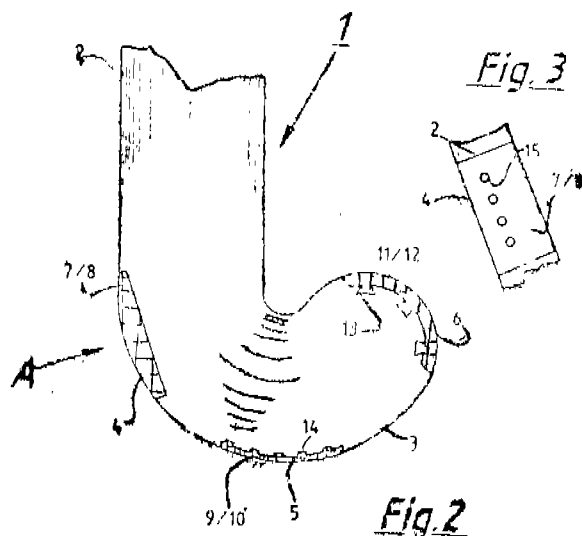
Application No. : 30/Mas/93 filed on 20th January, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A hockey stick with a reinforced butt wherein atleast one zone of extreme wear in the butt is reinforced with a known hard synthetic resin by introducing the said resin into the

body of the butt and allowing the same to harden as an integral part of the butt of the hockey stick.



(Compl. : 9 pages;

Drwgs. : 2 Sheets)

Ind. Cl. : 144-E.2

181225

Int. Cl.⁴ : C 23 C 30/00.

A PROCESS FOR PREPARING A ZIRCONIA BASED CERAMIC COATING MATERIAL CAPABLE OF BEING PLASMA COATED.

Applicant : CENTRAL POWER RESEARCH INSTITUTE, (A GOVT. OF INDIA SOCIETY), OF PROF. SIR C. V. RAMAN ROAD, RAJAMAHAL VILAS EXTENSION, II STAGE P.O., P. B. NO. 9401, BANGALORE-650 094, KARNATAKA, INDIA, AN INDIAN COMPANY.

Inventor : PARVATI RAMASWAMY B. H. NARAYANA.

Application No. : 86/Mas/93 dated February 5, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

A process for the preparation of zirconium based coating material capable of being plasma coated which comprises (i) mixing fine grains of ZrO_2 with similar fine grains of (a) Y_2O_3 or (b) MgO or atleast three oxides selected from (c) MgO , CaO , SiO_2 and Al_2O_3 with the provision that MgO and Al_2O_3 are not used together, in presence of water (ii) drying the same at temperature $100^\circ C$ (iii) calcining the dried material at temperature $1000^\circ C$, (iv) mixing finely ground cold calcined material with PVA solution to get a wet mixture; (v) drying the wet mixture at $100^\circ C$, followed by (vi) preparing shaped products from dry mixture, thereafter (vii) heat treating the shaped product in oxy-acetylene flames to obtain a melt, (viii) cooling the melt, (ix) grinding the said melt to a fine powder, (x) preparing a wet mix of the fine powder of step (ix) with PVA solution in water (xi) drying the wet mix at $100^\circ C$ to remove solution and thereafter (xii) grinding the dry mix of step (xi) to the required size.

(Compl. : 17 pages)

Ind. Cl. : 4 A 1

181226

Int. Cl.⁴ : B 64 C 13/00.

"AIRCRAFT WITH NOVEL MANOEUVERING AND AIRFLOW CONTROL MEANS"

Applicant : OLIVER REX ANTO EMMANUEL AN INDIAN CITIZEN, OF 510, MADHAVAN STREET MUTHAMIZH NAGAR, PAMMAL, MADRAS-600 075 TAMIL NADU.

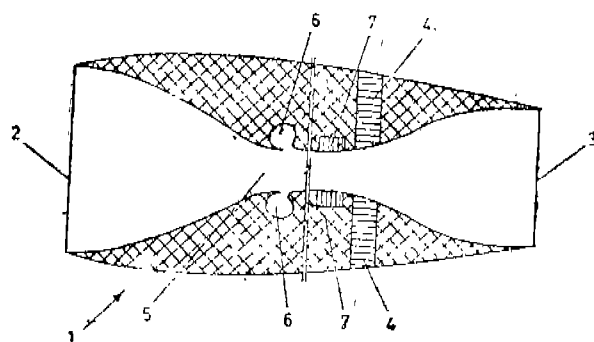
Inventor : OLIVER REX ANTO EMMANUEL.

Application No. : 210/Mas/93 filed on 24th March, 1993

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

An aircraft with novel manoeuvring and airflow control means comprising a conventional airframe characterised by a plurality of fluid ducts (1) with inlets (2) and outlet (3) opening located on or outside the airframe and a known control mechanism (4) positioning the direction of the outlet opening (3) of the duct (1) with respect to the direction of the inlet opening (2) of the duct (1).



(Compl. : 8 pages;

Drwgs. : 3 Sheets)

Ind. Cl. : 42 D

181227

Int. Cl.⁴ : A 24 B 3/14

A TOBACCO RECONSTITUTION PROCESS AND AN APPARATUS THEREFOR.

Applicant : BRITISH-AMERICAN TOBACCO COMPANY LIMITED A BRITISH COMPANY OF MILLBANK, KNOWLE GREEN STAINES, MIDDLESEX TW18 1DY ENGLAND.

Inventors : 1. PHILLIP MICHAEL GREEN,
2. WILLIAM DAVID LEWIS.

Application No. 324/Mas/93 filed 13th May 1993.

Convention dated 15th May 1992; No. 9210473.6; U. K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

17 Claims

A tobacco reconstitution process, wherein a sheet of tobacco-containing extrudate is extruded from an extruder die, the extrudate in the plastic phase thereof is drawn down to reduce the thickness thereof, the draw down being assisted by passing the extrudate around draw down means, said draw down means comprising one or more draw down drums and downstream sheet conveying means located downstream of said drum or drums, the arrangement of said one or more draw down drums and/or said downstream conveying means being such that the extrudate is in contact with the surface of at least one of said one or more draw down drums, over at least 50% of the surface thereof to provide high degree of contact of the extrudate with the draw down drum

A tobacco reconstitution draw down apparatus comprising an extruder, an extruder die, draw down means comprising one or more draw down drums, and downstream conveying means located downstream of said drum or drums, said one or more draw down drums and/or said downstream conveying means being located with respect to one another to provide a high degree of contact with the surface area of said drums by the extrudate extruded through said extruder die, when wrapped around said drum(s), wherein the degree of contact by the extrudate with at least one of the draw down drums is at least 50% of the circumference of said drums.

(Compl. specn. 18 pages;

Drg. 1 sheet)

Ind. Cl. : 39 K

181228

Int. Cl. : C 01 B 17/00.

SULPHUR DIOXIDE GENERATORS.

Applicant : DENNIS CHARLES CLEMES, OF BRITISH NATIONALITY OF CNR RUSTENBERG AND WELGELEGEN DRIVES, HIGH CONSTANTIA CAPE TOWN CAPE PROVINCE, REPUBLIC OF SOUTH AFRICA.

Inventor : DENNIS CHARLES CLEMES.

Application No. : 345/Mas/93 filed on 20th May, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

A sulphur dioxide generator comprising two sheets permeable to water vapour and sulphur dioxide having a known laminating substance between them, the said laminating substance having a known material dispersed therein which, in the presence of moisture, releases sulphur dioxide, the outer face of at least one of said sheets having thereon a coating comprising a known binder in which is dispersed a known material which, in the presence of moisture, releases sulphur dioxide.

(Compl. Specn. 17 pages;

Drg. 1 sheet)

Ind. Cl. : 99-C

181229

Int. Cl. : B 65 D 1/00

PLASTIC BARREL.

Applicant : MAUSER-WERKE GMBH, SCHILDGES-STR. 71-163, 5040, BRUHL, GERMANY. A GERMAN COMPANY.

Inventors :

(1) ERNST WURZER,

(2) DIETMAR PRZYTUŁA

Application No. 415/Mas/93 dated June 15, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

A plastic barrel (10) with a substantially cylindrical barrel wall (12), a disk-shaped barrel floor (14) and a corresponding barrel top (16), having a closable closure aperture with a projecting closure socket, a circumferential carrying and transporting ring (22), on the outer barrel wall (12) in the vicinity of the barrel top (16) and a downward facing horizontal and an inward facing vertical bearing surface (24, 26) for the grab claws of a barrel grab wherein the projecting closure socket (39), has an external thread provided in the centre of the barrel top (16), the internal diameter of the closure socket (30) measuring at least 100 mm the said closure socket (30) being closable in a gas-tight and liquid-tight manner by means of a screw cap (32, 34) with a corresponding internal thread, whereby the hori-

zontal plane of the screw cap (32, 34) screwed onto the closure socket (30) ends between the horizontal plane of the barrel top (16) and the horizontal plane of the upper edge (36) of the carrying and transporting ring (22).

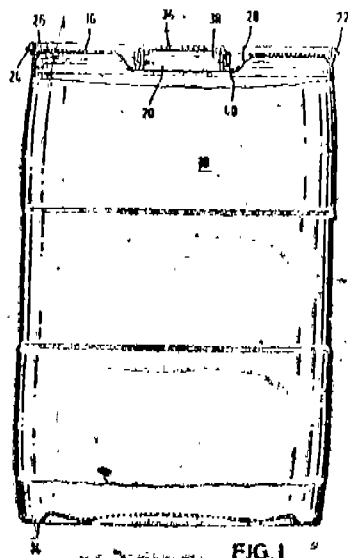


FIG. 1

(Compl. specn. 19 pages;

Drgs. 6 sheets)

Ind. Cl. : 190 B

181230

Int. Cl. : F 02 C 7/00

AN EXHAUST GAS TURBOCHARGER.

Applicant : ASEA BROWN BOVERI LTD., 5401 BADEN, SWITZERLAND, A SWISS COMPANY.

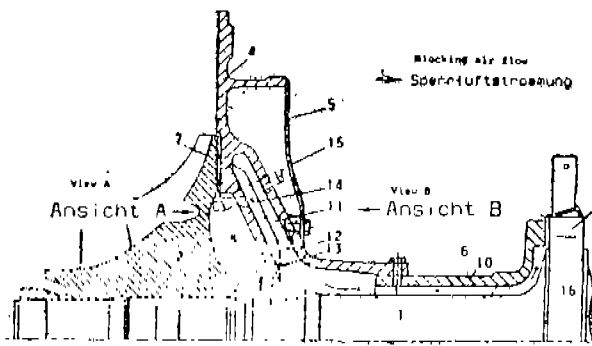
Inventor : 1. RUDOLF RICANEK.

Application No. 420/Mas/1993 filed on 18th June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

3 Claims

An exhaust gas turbocharger, comprising a compressor and a turbine located on a common shaft, a partition, being located between the compressor and the turbine and separated from the exhaust gas space of the turbine by a cover plate, sealing strips such as labyrinth seal located between the compressor and the partition, a space being located between the compressor and the partition underneath the sealing strips, a guide bush, located on the shaft with a securing element for supporting the partition, and a protective wave bush located on the shaft, characterised in that the partition around the space has an additional inner wall, facing the compressor providing an inter-space between the inner wall and the partition and radial ribs are located in that interspace, and in the inner wall running around slots are located.



(Compl. specn. 9 pages;

Drgs. 2 sheets)

Ind. Cl. : 107-G&H

181231

Int. Cl.⁴ : F 02 B 7/00
13/00.**A GAS DELIVERY SYSTEM FOR A GAS FUELED INTERNAL COMBUSTION ENGINE.**

Applicant : TRANSCOM GAS TECHNOLOGIES PTY. LTD., AN AUSTRALIAN COMPANY, OF 22, HASLER ROAD, HERDSMAN, WESTERN AUSTRALIA 6016, AUSTRALIA.

Inventor : HARRY RICHARD NEUMANN.

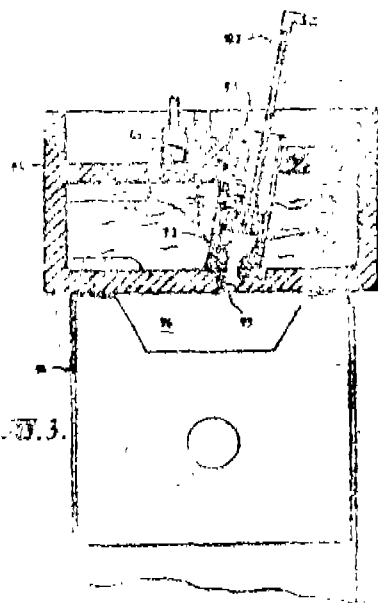
Application No. 644/Mas/92 dated October 22, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A gas delivery system for a gas fuelled internal combustion engine, the system comprising :

gas fuel delivery means for delivering a controlled amount of gaseous fuel to a region adjacent a source of ignition, said region comprising a pre-combustion zone located in a separate pre-combustion chamber which is located in immediate proximity to said ignition source and which is in direct communication through an orifice with a combustion zone located in a cylinder of the engine, said gas fuel delivery means comprising first and second gas delivery lines for delivering a controlled amount of gaseous fuel to said pre-combustion zone and combustion zone respectively from a common gas injector, and further comprising gas control means for controlling the relative proportions of gaseous fuel delivered by said first and second delivery means respectively whereby, in use, combustion in said combustion zone is achieved with minimum gaseous fuel by initiating ignition of gaseous fuel in said pre-combustion zone.



(Com. - 19 pages;

Drwgs. - 3 sheets)

Ind. Cl. : 206 E

181232

Int. Cl.⁴ : H 03 M 01/18**AN APPARATUS FOR CONVERTING ANALOG SIGNAL TO DIGITAL SIGNAL.**

Applicant : INTERBOLD OF 5995 MAYFAIR ROAD, NORTH CANTON, OHIO 44720-1997, U.S.A. A NEW YORK GENERAL PARTNERSHIP.

Inventors :

1. THOMAS S. MASON,
2. RODNEY D. BEABER.

Application No. 696/Mas/92 filed on 19th Nov. 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

18 Claims

An apparatus for converting a sensed analog signal having a time varying amplitude with a dynamic range to a corresponding digital signal, characterized by :

a peak tracker circuit (300) for monitoring the sensed analog signal and providing a reference potential with an amplitude corresponding to a sensed peak amplitude of the sensed analog signal;

an analog to digital converter (201) for converting an analog signal to a digital signal based on a relationship between the analog signal A and a reference input V signal; and

a control circuit (302), responsive to the occurrence of a pre-selected event, for causing the peak tracker circuit to provide the reference potential with an amplitude corresponding to a sensed first peak amplitude of the sensed analog signal.

(Com. - 34 pages;

Drwgs. 3 sheets)

Ind. Cl. : 110, 74

181233

Int. Cl. : D 06 M 17/00
D 04 H 3/00.**A METHOD FOR MAKING A WADDING WEB FOR CLOTH ARTICLES AND WADDING WEB MANUFACTURED THEREBY.**

Applicant : THERMORE (FAR EAST) LTD., OF NEW EAST OCEAN CENTRE 9, SCIENCE MUSEUM ROAD, HONGKONG.

Inventors :

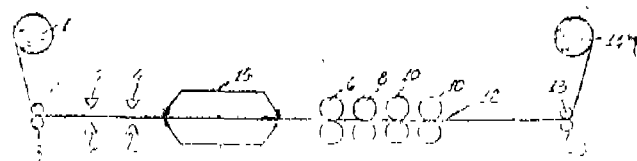
1. SINISCALCHI MARCHIANO,
2. SINISCALCHI PATRIZIO.

Application No. 715/Mas/1992 Filed on 27th November, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

33 Claims

A method for making a wadding web for cloth articles, comprising the steps of forming a synthetic and/or natural fiber lap, spraying or coating on said lap a thermoplastic resin, heating said thermoplastic resin and the fibers of said lap and subjecting said lap to one or more hot calendering steps to obtain a wadding web of predetermined thickness.



(Comp. specn. 24 pages;

Drwgs. one sheet).

Int. Cl. : 172 D1, D4

181234

Int. Cl.4 : B 65 H 54/02.

DEVICE FOR DETERMINING THE DIAMETER OF A BOBBIN AT A SPINNING POINT OF A SPINNING MACHINE.

Applicant RIETER INGOLSTADT SPINNREIMASCHINENBAU AG., OF POSTFACH 100960, 8070 INGOLSTADT, FEDERAL REPUBLIC OF GERMANY. A GERMAN COMPANY.

Inventor : HOEBER GERHARD.

Application No. 759/Mas/1992 Filed on 21-12-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

09 Claims

A device for determining the diameter of a bobbin at a spinning point of a spinning machine, each spinning point having in each case a spinning element, a controllable sliver supply device for supplying a sliver, a controllable take-off device and a controllable wind-on device for each spinning point where in the device comprises speed recording devices (23, 85, 83, 52, 64) for determining the speed of rotation of each of the sliver supply device (2, 8), the take off device (5) and the wind-on device (6) and a common control device (7), which is in controlled connection with each speed recording device (23, 85, 83, 52, 64), the common control device (7) having entering means for entering the yarn length corresponding to a given bobbin diameter, calculating means for calculating compensation factors on the basis of the determined speeds of the sliver supply device, (2, 8), the take-off device (5) and the wind-on device (6), and correction means for correcting the yarn length in response to the compensation factors calculated by the calculating means.

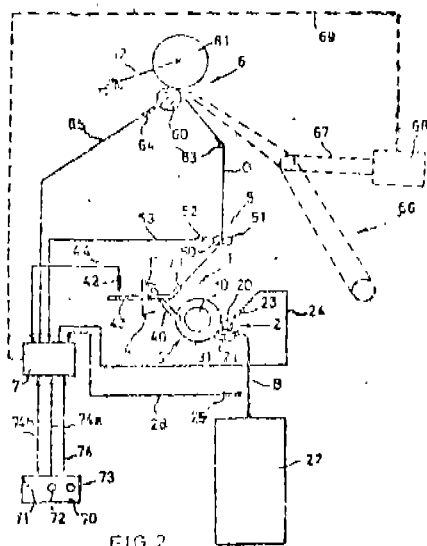


FIG. 2

(Comp. specn. 36 pages;

Drawgs. 3 sheets).

Ind. Cl. : 205 B

181235

Int. Cl.4 : B 29 D - 30/08.

A BAND APPLICATOR FOR A TYRE BUILDING MACHINE.

Applicant : L&T McNEIL LIMITED AN INDIAN COMPANY, OF MOUNT-POONAMALLEE ROAD, P B No. 977, MADRAS-600089.

Inventors :

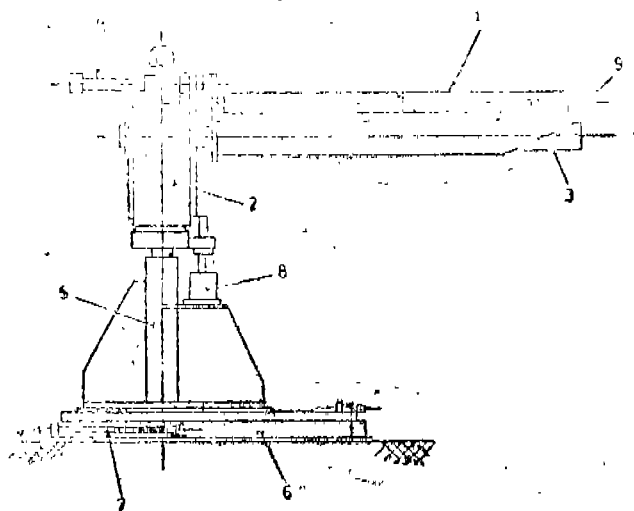
1. KALYANARAMAN KRISHNAMOORTHY,
2. GHOUSE MOHIDEEN SAKIR HUSSAIN
3. KRISHNAN SURTYANARAYANAN.

Application No. 774/Mas/92 filed on 30th Dec., 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A band applicator for a tyre building machine, the said band applicator comprising atleast two rolls (1) for holding the said band to be applied and supporting the said band during the application of the band, at least one guide means (3) for guiding the movement of the said roll during their travel along the direction towards or away from the edge of the said tyre building drum (10) for application of the band, a supporting structure (5, 6) with adjusting means (7, 8) for adjusting the position with reference to the edge of the said tyre building drum, nozzle means (9) to provide dry oil-free air for expansion of the band during the application of the band on a tyre building drum, holding means (11) to handle and adjust the position for loading the said band and applying the band on the said tyre building drum.



(Com. 16 pages;

Drawgs. 4 sheets)

Ind. Cl. : 74

131236

Int. Cl.4 : A47G 27/00.

IMPROVED NON-SKID TUFTED MATS AND A METHOD OF MAKING SUCH MATS.

Applicant & Inventor : MR. JOSEPH MATHEW & MR. MATHEW JOSEPH, BOTH INDIAN CITIZENS OF RENGAKUMAR BUILDINGS, TEMPLE ROAD, KOTTAYAM 1, KERALA.

Application No. 36/Mas/93 dated 24th May 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

17 Claims

An improved non-skid tufted mat consisting of a natural rubber latex compound base having embedded therein an even layer of tufts from natural fibres, wherein the said tufts are made by coating yarn obtained from the said natural fibres with an adhesive mixture, drying the so coated yarn, positioning a plurality of the said coated yarn, first in a side by side relationship and then one on top of the other horizontally, compressing the pile of yarn thus obtained and thereafter cutting the same vertically to obtain an even layer of tuft with both ends open.

(Com. - 10 pages.)

Ind. Class : 32 F 2(b)

181237

13 Claims

Int. Cl.⁷ : C 07 D 201/00**A PROCESS FOR THE CONVERSION OF OXIMES INTO THE CORRESPONDING CYCLIC LACTAMS.**

Applicant : DSM N. V., OF HET OVERLOON 1, 6411 TE HEERLEN, THE NETHERLANDS, A DUTCH COMPANY.

Inventors :

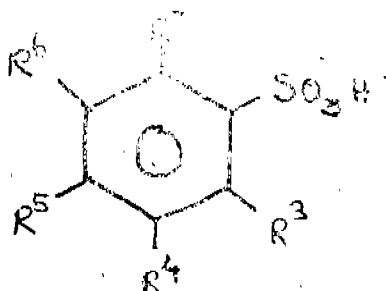
1. PETRUS JOZEF HUBERTUS THOMISSEN
2. HUBERTUS JOHANNES MECHTILDA BOSMAN

Application No. : 389/Mas/93 dated June 8, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A process for the conversion of oximes with 2-30 carbon atoms into a corresponding cyclic lactam in which a solution of the oxime is contacted with a heterogeneous, strongly acidic catalyst, wherein the said catalyst is a carrier combined with sulphonated benzene rings, having the following general formula



where R³ to R⁷ independently represent one or more electron withdrawing groups such as a nitro (-NO₂), a halogen (-Cl, -Br, -F, -I) or a sulphonic acid (-SO₃H) group, the remaining groups representing hydrogen, an alkyl or an arylalkyl and where at least one group of R³ to R⁷ is represented by

-R-P or -P

wherein R represents a substituted or unsubstituted C₁-C₈ alkyl or a substituted or unsubstituted C₆-C₁₂ aryl or arylalkyl and wherein P is part of an organic or inorganic carrier.

(Com. - 18 pages)

Ind. Cl. : 127 I

181238

Int. Cl.⁷ : G 01 L 5/00.**APPARATUS FOR INSERTING A THREAD INTO A YARN TESTER.**

Applicant : ZELWEGER USTER AG., A SWISS COMPANY, CH-8610 USTER SWITZERLAND.

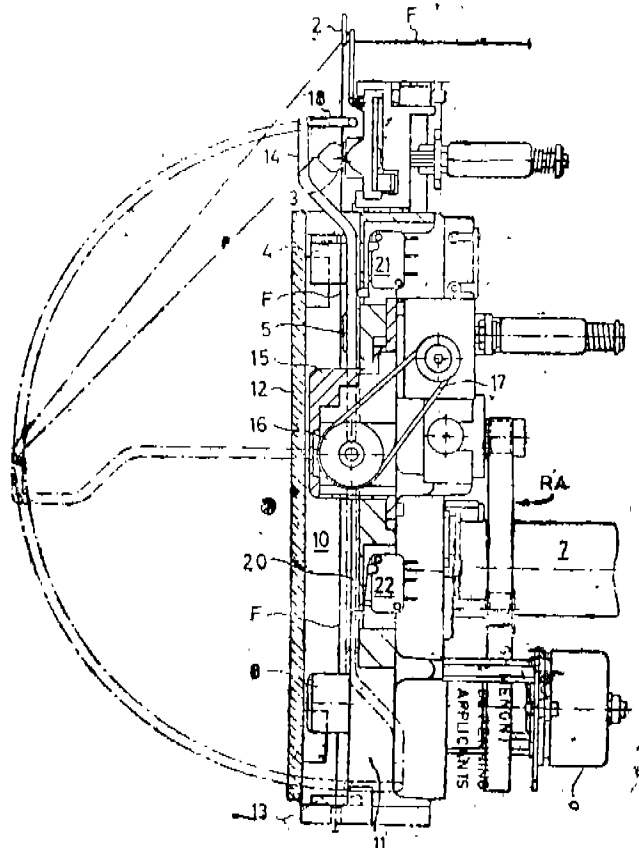
Inventors :

1. HEINZ USTER,
2. WILLI SCHLÖTTER.

Application No. 382/Mas/1993 filed on 4th June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

An apparatus for inserting a thread into a yarn tester which has a test stage and a take-over member for the inserted thread, with an insertion arm and with a clamp for feeding the thread with the latter, characterised in that the insertion arm (14) is designed as a pivoting arm mounted at a fixed location, and the thread (F) is fixed in the clamp (3) until transfer to the take-over member (13) and is supplied to the take-over member as a loop.



(Comp. Specn. 13 pages;

Draw. 02 sheets)

Ind. Cl. : 128 G

181239

Int. Cl.⁷ : A 61 B 5/00.**A DEVICE FOR DETECTION AND IMMUNOASSAY OF HIV ANTIBODIES.**

Applicant : EMPYREAN DIAGNOSTICS INC., INCORPORATED UNDER THE LAWS OF STATE OF CALIFORNIA, U.S.A., OF 2761 MARINE WAY, MOUNTAIN VIEW, CALIFORNIA 94043, U.S.A.

Inventors :

1. BEAL CHARLES B.
2. TOM HENRY
3. KOUYATE YACINE

Application No. 899/Mas/1993 filed on 15 Dec 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Madras Branch.

9 Claims

A device for detection and immunoassay of HIV antibodies in whole blood comprising a substantially transparent flexible pouch (2) divided into at least one reaction compartment (8) and at least one waste compartment (12), the said device being permanently sealed around its perimeter except for the top portion thereof and having filter means (10) positioned in between said reaction compartments and said waste compartments, means for sequentially adding reagents and samples

to the said reaction compartments, means (6) for regulating the flow of reactants and reaction products from the reaction compartments to the waste compartments and means (14) for presenting the flow of the said reactants and the reaction products from the waste compartments to the reaction compartments and means for sealing (18) the top open portion of the device.

(Com. Specn. 23 pages;

Draws. 3 sheets)

Ind. Cl. : 39-E

181240

Int. Cl. : C 01 D 13/00.

A PROCESS FOR THE PREPARATION OF LAYERED DOUBLE HYDROXIDE SORBENTS.

Applicant : BOARD OF TRUSTEES, A CONSTITUTIONAL CORPORATION OPERATING MICHIGAN STAGE OF UNIVERSITY, OF EAST LANSING, MICHIGAN 48824, U.S.A.

Inventors :

- (1) TOMAS J. PINNAVAIA,
- (2) JAYANTHA AMARASEKERA,
- (4) CHRISTINE A. POLANSKY.

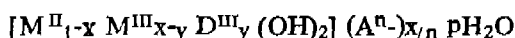
Application No. 165/Mas/95 dated February, 13, 1995.

Divisional to Patent Application No. 65/Mas/91; Antedated to January 30, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A process for the preparation of layered double hydroxide sorbents for removing SO_2 components from a gas stream, the said sorbents before being heated has a structure of formula



wherein, M^{II} is a divalent metal cation, M^{III} and D^{III} are trivalent metal cations, A^n is an interlayer anion of charge n , x is between 0.8 and 0.12, and $0 < Y < X$, the said process comprising the steps of :

- (a) combining a solution containing stoichiometric amounts of M^{II} , m^{III} and D^{III} with an alkali metal hydroxide solution containing a 50% stoichiometric excess of anion A^n at a temperature between 30 and 70°C more preferably between 50 and 60°C to form a mixture 1 having the pH between 11 and 13;
- (b) digesting the mixture at a temperature between 25 and 100°C preferably between 60 and 80°C, for a period of 0.5 to 24 hours;
- (c) separating a solid product from the solution followed by washing with water to remove contaminated metal salts; and
- (d) drying the washed product to obtain the layered double hydroxide sorbents.

(Com. 38 Pages;

Drawgs. - 5 sheets)

Ind. Cl. : 179 C. F

181241

Int. Cl. : B 67 B 3/00

A PLASTIC VENTING CLOSURE.

Applicant : OWENS-ILLINOIS CLOSURE INC, A CORPORATION OF THE STATE OF DELAWARE, USA OF ONE SEAGATE, TOLEDO, OHIO-43666 U. S. A.

Inventors : 1. JAMES L. GREGORY.

Application No. 265-Mas/93 filed 19th April 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

9 Claims

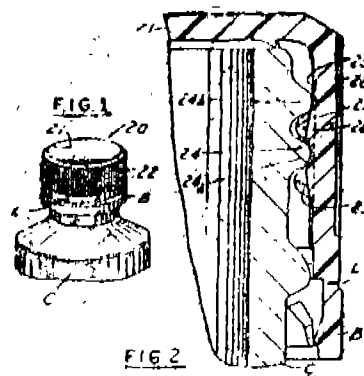
A plastic venting closure comprising
a base wall (21).

a peripheral skirt (22) having internal threads adapted to engage the threads (24) of a container wherein the threads are interrupted at circumferentially spaced points to define axial venting passages (25) for dissipating pressure of the contents as the closure is unthreaded from a container,

at least some of the passages have an integral rib (26) thereon spaced from the threads and extending axially,

the radial thickness of each rib being less than that of the threads, and

the circumferential width of each rib being less than the circumferential width of the respective venting passage, each of the said rib is arcuate in cross section.



(Com. - 11 pages;

Drawgs. 3 Sheets)

Ind. Cl. : 146-A

181242

Int. Cl. : H 01 H 35/00; G 01 F 23/00.

A LEVEL SWITCH.

Applicant : ANDREJ ZATLER, OF ASKERCEVA 24, 62000 MARIBOR, SLOVENIA; AND FRANC EFERL OF PRI SOLI 45, 62351 KAMNICA, SLOVENIA. BOTH SLOVENIAN CITIZENS.

Inventors :

1. ANDREJ ZATLER.
2. FRANC EFERL

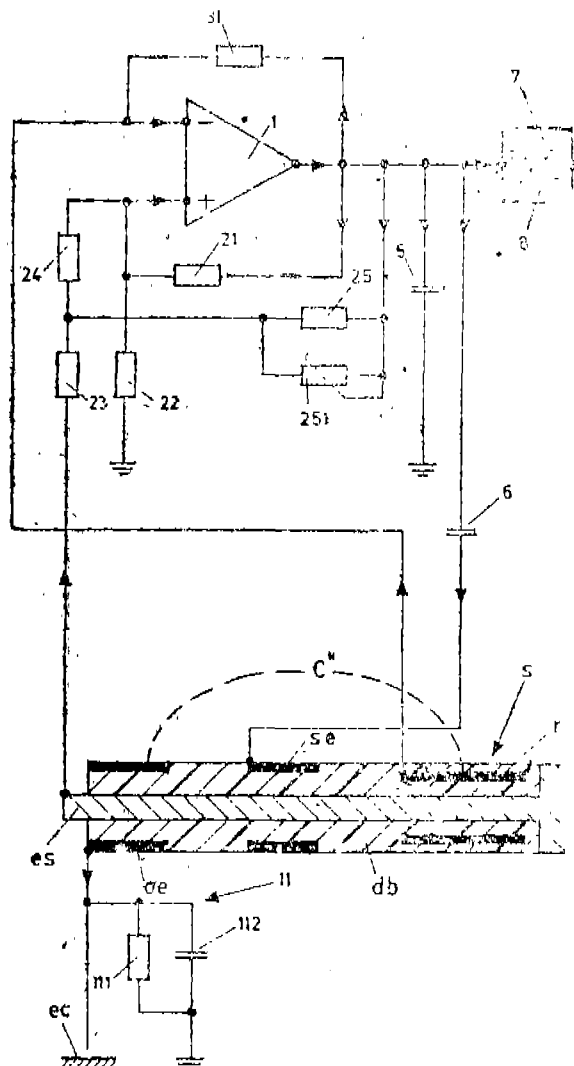
Application No. 281/Mas/93 filed on 26th April, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A level switch comprising an operational amplifier (1) and a sensor (S_1 ; S_2) constituting an oscillator having a frequency depending upon the physical conditions around the sensor (S_1 ; S_2) the said sensor (S_1 ; S_2) comprising a dielectric body (db), a plate (rp) incorporated in the dielectric body (db) near its one end, an opposite electrode (oc) mounted on the surface of the other end of the dielectric body (db), a screening electrode (sc) mounted on the surface of the dielectric body (db) between the plate (rp) and the opposite electrode (oc), the operational amplifier being provided with a positive and a negative feedback through a first resistor (21) and a second resistor (31), respectively; the non-inverting input of the operational amplifier (1) being grounded through

a third resistor (22), the screening electrode (se) being connected to the output of the operational amplifier (1), the plate (rp) being connected to the inverting input of the operational amplifier (1) and the opposite electrode (oe) of the sensor (S₁; S₂) being grounded.



(Com., 20 Pages;

Drwgs. 3 sheets)

Ind. Cl. : 194 C 8

181243

Int. Cl.⁴ : H 01 L 31/00.

PROCESS AND APPARATUS FOR MAKING PHOTO-VOLTAIC DEVICES AND RESULTANT PRODUCT.

APPLICANT : SOLAR CELLS, JNC., 1700 N WEST-WOOD TOLEDO OHIO-43607 UNITED STATES OF AMERICA A CORPORATION OF THE STATE OF OHIO.

Inventors :

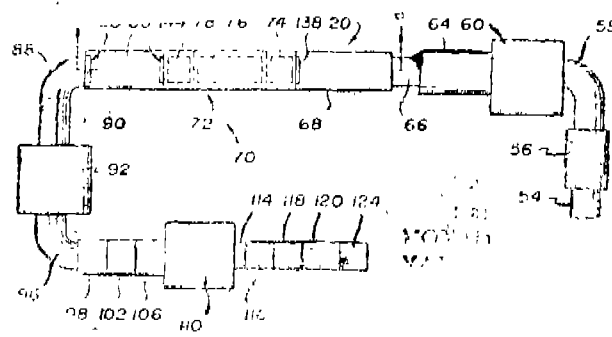
1. JAMES B FOOTE,
2. STEVEN A. P. KAAKE,
3. PETER V. MEYERS,
4. JAMES F. NOLAN.

Application No. 291/Mas 93 filed on 29th April 1993.

Appropriate Office For Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

33 Claims

A process for making a photovoltaic device, comprising, providing an enclosure with a controlled environment heated in a steady state during the processing, introducing vapors of cadmium and tellurium into the enclosure, and conveying a heated sheet substrate having a planar glass sheet within the enclosure for continuous elevated temperature deposition of a layer of cadmium telluride onto one surface of the substrate to function as a semiconductor for absorbing solar energy, the substrate being oriented within the enclosure for the deposition of the cadmium telluride on the one surface thereof and with the other surface of the substrate being supported within the periphery thereof for conveyance while maintaining the planarity of the glass sheet.



(Com. 41 Pages;

Drwgs. 4 sheets)

Ind. Cl. : 172 C-4

181244

Int. Cl.⁴ : D 01 H 5/00.

A DEVICE FOR SEVERING A SLIVER DELIVERED TO A CAN ON A DRAWING FRAME.

Applicant : RIETER INGOLSTADT SPINNEREIMASCHINENBAU AG A GERMAN COMPANY, OF FRIEDRICH-EBERT-STR. 84 POSTFACH 10 09 60 8070 INGOLSTADT GERMANY.

Inventors :

1. STROBEL, MICHAEL,
2. KRUEGLER, ALBERT,
3. ZEHNDBAUER, ALFONS.

Application No. 334/Mas/93 filed on 17th May, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A device for severing a sliver (1) delivered to a can (10) on a drawing frame, in which filed cans (10) are changed and in which sliver draw-off rollers (3) and a rotary plate (5) with a sliver-guide channel (4) for depositing the sliver in the can (10) are provided, within the sliver draw-off rollers (3) have arranged downstream thereof at least one nozzle (6) which is used for severing the sliver by compressed air and which is arranged at the inlet opening of the sliver-guide channel (4) and the blowing direction of which is directed into the sliver-guide channel (4) and onto the sliver (1), characterised in that means for stopping the sliver delivery to the can (10), means for displacing the can (10) in order to clear the opening of the sliver-guide channel (4) in the rotary plate (5) and a plurality of nozzles (6.1 to 6.13) for severing

Ind. Cl. : 76 B

181247

Int. Cl.⁴ : E 04 C 5/16; E 04 B 1/40
F 16B 2/00.**A CLIP FOR HOLDING TOGETHER REINFORCEMENT RODS IN CEMENT CONCRETE WORKS.**

Applicant : SWAMINATHAN VENKATRAMAN DAS AN INDIAN NATIONAL RESIDING AT "SREEVILAS", T. C. 36/709(2), PERUNTHANNI, THIRUVANANTHAPURAM - 685 008, KERALA, INDIA.

Inventors : 1, SWAMINATHAN VENKATRAMAN DAS.,

Application No. 350/Mas/93 filed 21st May 1993.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A clip for holding together reinforcement rod in cement concrete works, comprising a pair of C-shaped elast. clamps, wherein said clamps are mounted one over the other such that the axis of one clamp is substantially perpendicular to the axis of the other clamp, and each clamp is matching with the rod facing therewith so that they can be press fitted together.

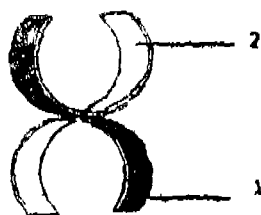


FIG. 1

(Com. 6 pages;

Drawgs. 1 sheet)

Ind. Cl. : 60 F

181248

Int. Cl.⁴ : A 41 D 27/12.**A DISPOSABLE ARMPIT PERSPIRATION PAD.**

Applicant : SWAMINATHAN VENKATRAMAN DAS, AN INDIAN NATIONAL, RESIDING AT 'SREEVILAS', T. C. 36/709(2), PERUNTHANNI, THIRUVANANTHAPURAM-695 008, KERALA, INDIA.

Inventor : SWAMINATHAN VENKATRAMAN DAS, KERALA.

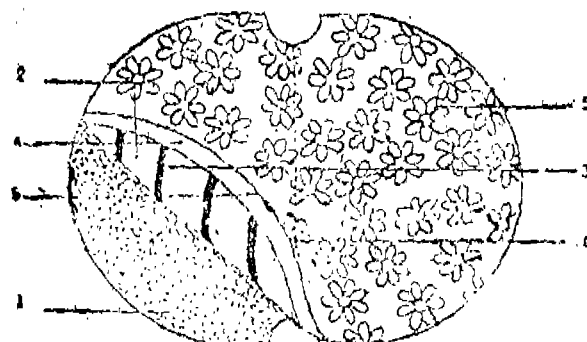
Application No. 351/Mas/93 filed on 21st May, 1993.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A disposable armpit perspiration pad, especially for use on tight fitting upper garments, comprising a substantially oval shaped perspiration absorbing member (4), mounted on a moisture-proof barrier element (2), the underside of said barrier element being provided with an adhesive strip(s) (3) or like other means so as to enable the pad to be firmly secured to that portion of the armhole/arm sleeve of the garment which is in proximity to the armpit; a thin film of peel-off strip (1) for covering/protecting said adhesive strip(s), and a thin layer of cotton or absorbent cloth (5) provided over the absorbing member to keep the same in position.

22



(Com. 7 pages;

Drawgs. 1 sheet)

Ind. Cl. : 107 G

181249

Int. Cl.⁴ : F 02 D 11/00.**A NOVEL INTERNAL COMBUSTION ENGINE.**

Applicant : OLIVER REX ANTO EMMANUEL, AN INDIAN CITIZEN, HOUSE NO. 10, KUMBAR STREET, MUTHAMIZH NAGAR, PAMMAL, MADRAS-600 073, TAMIL NADU, INDIA.

Inventor : OLIVER REX ANTO EMMANUEL.

Application No. 358/Mas/1993 filed on 21st May, 1993.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

*06 Claims.

A novel internal combustion engine comprising at least one combustion chamber with a fuel and/or feeding means exhaust port and combustion means characterised in that the said combustion chamber is connected through a liquid column as transmission means for transmitting the power to drive means.

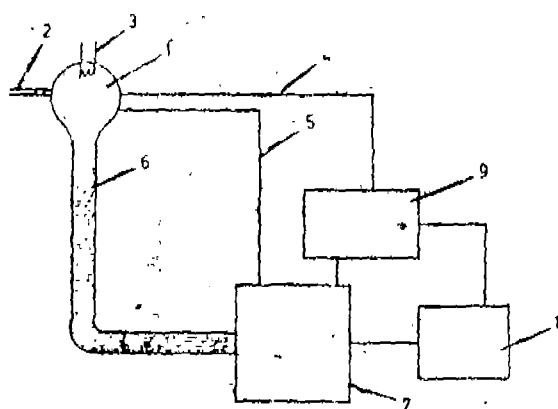
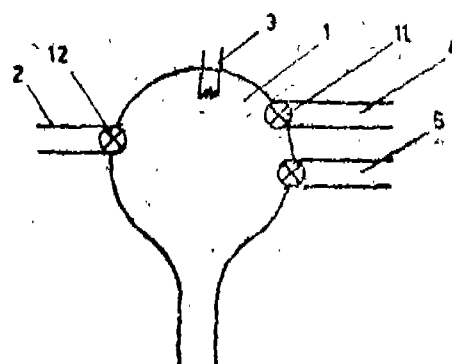


FIG. 1



(Com. Specn. 07 pages;

Drawg. 01 sheet)

Ind. Cl. : 206 E

181250

9 Claims

Int. Cl. : H 04 L 27/00.

A UHF RADIO SYSTEM FOR BROADCASTING SIGNALS.

Applicant : CD RADIO INCORPORATED A US COMPANY, OF 1001 22nd STREET N W, 6th Floor, WASHINGTON, DC 20037, USA.

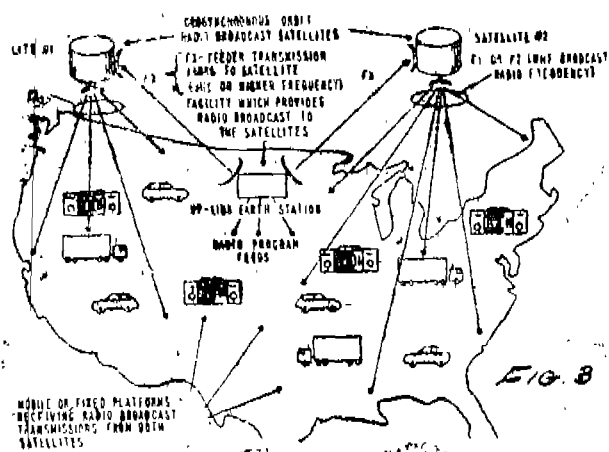
Inventor : 1. ROBERT DAVID BRISKMAN.

Application No. 368/Mas/93 filed on 27th May, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A UHF radio system for broadcasting signals having frequencies in a range of 300 MHz to 3,000 MHz comprising; a broadcasting source for broadcasting on a first path a first broadcast signal having audio program information on a first satellite source travelling in a substantially geosynchronous orbit; broadcasting source for broadcasting on a second path a second broadcast signal from a second satellite source travelling in said substantially geosynchronous orbit, said second satellite source and said second path being spaced from said first satellite source and said first path to minimize outage and fading of said first and said second broadcast signals, and a plurality of fixed receivers and a plurality of mobile receivers for receiving said first and second broadcast signals, each of said fixed and said mobile receivers being located at or near the surface of the earth, of said receivers being adapted to produce and broadcast signal as an output signal from said first and said second broadcast signals, each of said receivers having at least one channel to receive said first broadcast signal and at least one channel to receive said second broadcast signal.



(Com. 17 pages;

Drwgs. 7 sheets)

Ind. Cl. : 107 G

181251

Int. Cl. : F 02 F 7/00; F 02 B 57/00.

A RADIAL INTERNAL COMBUSTION ENGINE.

Applicant : ADVANCED TECHNOLOGIES MACHINE, A CALIFORNIA PARTNERSHIP OF 3620, EDISON WAY, FREMONT, CALIFORNIA 92538, U.S.A.

Inventors :

1. D. JAMES DUNCALF.
2. ROBERT B. JOHNSON.

Application No. 386/Mas/1993 filed on 4th June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

A radial internal combustion engine comprising an engine block; a drive shaft rotatably disposed along a centerline of said engine block; a rotatable cam unit, said rotatable cam unit having a plurality of cam extension, each of said cam extensions having a rising edge and a falling edge, said rotatable cam unit being mounted to said drive shaft, said cam unit being rotatable in a plane substantially perpendicular to said drive shaft; a plurality of cylinders, pistons and piston rods arranged in a radial pattern around said rotatable cam unit; at least one cam follower coupled to the end of each rod located opposite the end attached to said piston, said cam follower adapted to engage (said) cam extensions on said rotatable cam unit; rod guide means for maintaining alignment of said rods and limiting the movement of said each rod in all directions except along its longitudinal axis, said guide means comprising male and female engagement members, one category of said members being associated with said rod for movement therewith, the other category of said members being fixed with respect to said rod, the said guide means comprising four elongate members attached to each rod, said members being arranged in two pairs, one member in each pair facing in the opposite direction from the other.

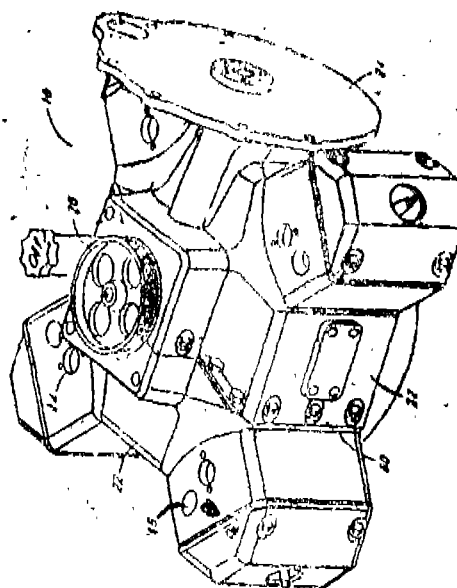


FIG 3

(Compl. Specn. 40 pages;

Drwgs. 12 Sheets)

Ind. Cl. : 85 J

181252

Int. Cl. : H 05 B 7/085.

A JOINING PIECE FOR RIGIDLY AND FIXEDLY CONNECTING IN END-TO-END RELATIONSHIP CONSUMMABLE ELECTRODES OF GRAPHITE OR CARBON.

Applicant : SOCIETE DES ELECTRODES ET REFRACTAIRES SAVOISIERS, A FRENCH COMPANY, OF TOUR MANHATTAN-5 PLACE DE L'IRIS, 92400 COURBEVOIE, FRANCE.

Inventors :

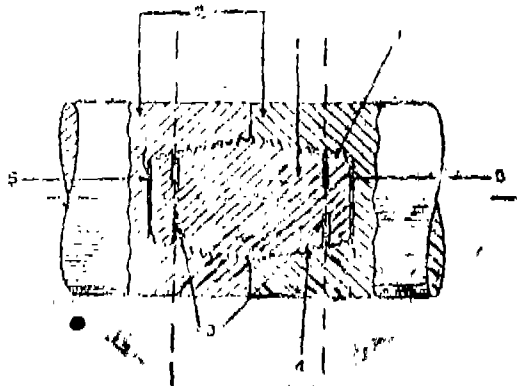
1. BERNARD TAHON
2. PHILIPPE BEGHEIN.

Application No. 397/Mas/93 filed on 11th June 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A joining piece for rigidly and fixedly connecting in end-to-end relationship electrodes of graphite or carbon, whose ends comprise a socket with an internal screwthread into which is screwed a connector with a double screw thread on nipple pierced with holes acting as reservoirs containing a solid and electrically conductive cement characterised in that at least one of said reservoirs is filled with a synthetic cement formed by a thermosetting resin which, in the presence of a catalyst, melts at a temperature of higher than 60°C to form a liquid phase of a viscosity of lower than 2500 centipoises at between 90°C and 120°C and polymerise at a temperature of higher than or equal to 120°C.



(Compl. Specn. 17 pages;

Drwg. 1 sheet)

Ind. Cl. : 146 D 1

181253

Int. Cl. : B 44 F 1/00.

APPARATUS FOR DETECTING COMMERCIAL VARIATIONS IN TRANSPARENT CONTAINERS.

Applicant : OWENS-BROCKWAY GLASS CONTAINER INC., A CORPORATION OF THE STATE OF DELAWARE, U.S.A., OF ONE SEA GATE, TOLEDO, OHIO 43666, UNITED STATES OF AMERICA.

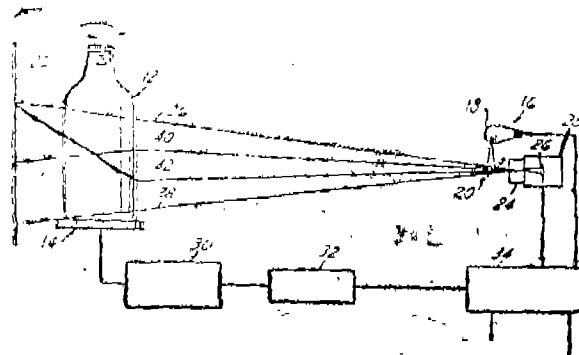
Inventor : JAMES A RINGLIEN.

Application No. 403/Mas/1993 filed on 14th June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

An apparatus (10) for detecting commercial variations in hollow transparent containers (12) comprising of means (14) for conveying containers (12) along a path to an inspection station, means at said inspection station (30) for rotating the container about its axis, a light source (16) for directing light energy through a container at said station, light sensing means (28), and means (34) for detecting commercial variations in the container at said station as a function of variations of light intensity received at said sensing means, the said light source (16) and said light sensing means (28) are positioned on the same side of said path said light sensing means (28) comprising array sensor (26), said variations-detecting means (34) comprising means for scanning said array sensor at increments of container rotation to develop two dimensional images of a portion of the container illuminated by said light source, a retroreflector (22) positioned on the other side of said path opposite said light source (16) and light sensing means (28) for reflecting light energy transmitted from said source through a container (12) at said station back through the container onto said sensing means in such a way that light rays (36, 39, 40) that encounter mild refraction due to container geometry and mild refractive variations in the container are reflected by said retroreflector (22) along the path of incidence back through the container (12) onto said sensing means (26), while light rays (42) that encounter stronger refraction due to greater refractive variations or encounter opaque variations are not reflected by said retroreflector (22) along the path of incidence onto said sensing means (26) thereby appearing in said two dimensional image at said sensing means (26) as a dark spot against a light background.



(Compl. Specn. 15 pages;

Drwg. 01 sheet.)

Ind. Cl. : 87 D

181254

Int. Cl. : G 06 F 15/44.

A 63 D 01/00.

AUTOMATIC PINSETTER.

Applicant : MENDES INC., OF 2425 RUE WATT, PARC COLBERT, STE-FOY (QUEBEC) GP1 3X2, CANADA; A COMPANY ORGANISED UNDER THE LAWS OF CANADA.

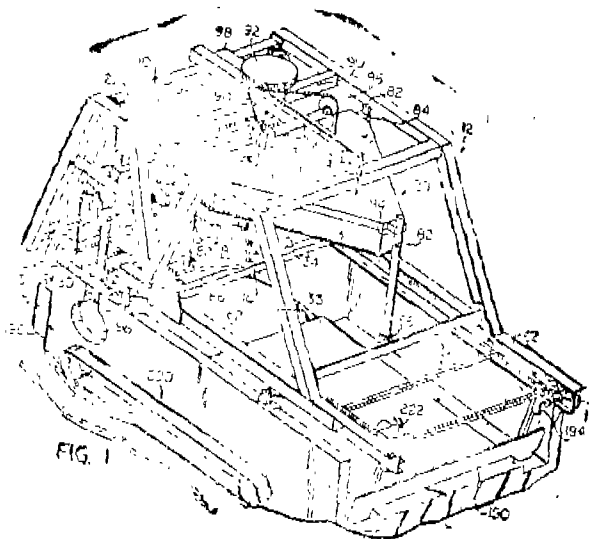
Inventor : FRANCOIS DE LANEY.

Application No. 422/Mas/93 filed on 18th June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

An automatic pinsetter for retrieving magnetically responsive bowling pins from a pit area adjacent a rear end of a bowling alley and for depositing the same on a rear end portion of the bowling alley; said pinsetter comprising an elevator mechanism for retrieving bowling pins from the pit area and for transporting the same upwardly for delivery to a pin discharge station, a transfer mechanism at a loading station adjacent said pin discharge station to receive bowling pins from said elevator mechanism and to transfer the pins in bowling array to a pin delivery station, a vertically movable pinsetting mechanism to accept the pins in bowling array above said pin delivery station and to lower and deposit the same in bowling array on the bowling alley, said pinsetting mechanism having magnetic means for magnetically holding and releasing the pins to lift the same from said transfer mechanism and thereafter to lower and deposit the same on the bowling alley.



(Compl. Specn. 42 pages;

Drwgs. 19 pages.)

Ind. Cl : 60-F

181255

7 Claims

Int. Cl. : A 41 B 9/00.

AN IMPROVED BRIEF AND A METHOD OF MAKING THE SAME.

Applicant : SRI SESHASAYEE KNITTINGS PVT. LTD., AN INDIAN COMPANY, OF KOWTHAVARI STREET, POORNANANDAMPET, VIJAYAWADA-520 016.

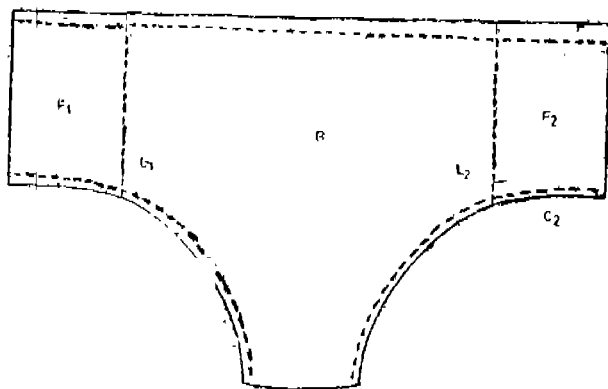
Inventor : THATAVARTHI CHANDRA SEKHAR VIJAYAWADA.

Application No. 423/Mas/93 filed on 18th June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

An improved brief comprising a brief body (B) having waist opening and two leg openings, (C1, C2, C3) the said body consisting of a back piece provided with two identical foldable flaps (F1, F2) extending from sides opposed to each other, lower portion of each of the flaps being cut appropriately to form part of the leg opening, each of the flaps being joined to a centre piece (D) constituting a pouch, formed from four identical pieces, each of the said piece having two vertical sides (S1, S2) one said vertical side curving downwardly and inwardly while the other vertical side being appropriately cut to form the front leg opening in contiguity with the leg opening provided on the said extended flap, the said pouch being formed by joining the said four pieces, along its outer periphery commencing from the top portion of the vertical side, till the downwardly curved lower portion, which is subsequently opened up in such a way that one top piece overlaps and aligns with one bottom piece, concealing the seams or joints in between and forming a pouch, the said brief body having elastic bands around the waist and leg openings.



(Compl. Specn. 11 pages;

Drwg. 1 sheet.)

Ind. Cl. : 63 AZ

181256

Int. Cl. : H 02 K 19/16.

A ROTARY INDUCTION GENERATOR.

Applicant : HELLER DEJULIO CORPORATION 3110 HACIENDA DRIVE CONCORD, CALIFORNIA 94519 UNITED STATES OF AMERICA, A U. S. COMPANY.

Inventor : SAMUEL HELLER.

Application No. 525/Mas/93 filed on 29th July, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

A rotary induction generator comprising a stator having wound thereon stator windings (21) defining a three-phase stator; a rotor (11) mounted for rotation in said stator and having wound thereon three rotor windings defining a three-phase rotor; said three-phase stator windings connectable to a source of power and serving as primary windings whereby the applied power causes current to flow in said three-phase windings and provide a rotating magnetic field, said other three-phase windings serving as a secondary winding (22) coupled to said magnetic field whereby currents are induced in said secondary windings; resistive-reactive means (23, 24, 26) connected to said secondary windings to increase the efficiency of said generator and limit the power output to the capacity of the generator over a wide range of speeds; add resistive means (27) connected in series with said secondary windings to provide the magnetizing currents in the secondary.

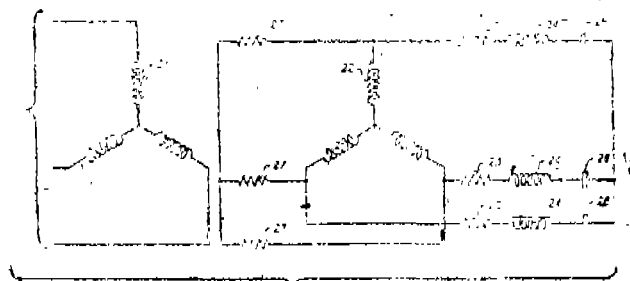


Fig. 3-

(Compl. Specn. 14 pages;

Drwgs. 2 sheets.)

Ind. Cl. : 130-1

181257

Int. Cl. : C 25 C 3/20.

PROCESS FOR CONVERTING SOLUBLE FLUORIDES IN BRASQUE LININGS TO STABLE INSOLUBLE FLUORIDES.

Applicant : ALUMINIUM PECHINEY, OF IMMEUBLE BALZAC, 10 PLACE DES VOSGES, LA DEFENSE 5, 92400 COURBEVOIE, FRANCE, A FRENCH COMPANY.

Inventors :

1. ERIC BARRILLON
2. PIERRE-BERNARD PERSONNET
3. JEAN-CLAUDE BONTRON
4. DANIEL LARONZE.

Application No. 439/Mas/93 dated June 25, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

19 Claims

A process for converting soluble fluorides contained in used brasque linings of electrolysis tanks to stable insoluble fluoride compounds and for decomposing cyanides contained in said used brasque linings.

said used brasque linings formed both by carbonaceous products and silico-aluminous products impregnated with fluorinated mineral compounds,

said process comprising the steps of crushing said used brasque linings, mixing the crushed brasque linings with a powdery additive so as to form an intimate mixture and heat-treating said mixture,

said additive being minerals capable of combining under heat, with or without fusion, with said fluorides impregnating said used brasque linings to form new stable and insoluble compounds, wherein :

said mixture is injected into a gas flow circulating in the upper part of a reactor to a temperature T of between 700°C and 1000°C,

the contact time of the solid particles of the mixture with the circulating gas flow is regulated in such a way that said particles attain a temperature T of between 400°C and 750°C before extraction thereof at the base of the reactor with the gas flow,

the temperature of the gas flow as measured at the base of the reactor is maintained at a reference value T_0 such that $T > T_0 \geq t$ and in such a way that once the value is fixed, the temperature difference ΔT with respect to the reference value of T_0 are corrected by adaption of the flow rate of powder material injected by means of the feed screw with its variable speed of rotation, under control of a device for measuring and recording variations in temperature of an amplitude of greater than $\pm 5^{\circ}\text{C}$ with respect to T_0 , and

at the reactor outlet, after cooling, the solid particles constituting the stabilised insoluble fluoride compounds are separated from the gas flow.

(Compl. Specn. 22 pages;

Drawg. 1 sheet)

Ind. Cl. : 196-C

181258

Int. Cl. : E 05 B 7/02.

A VENTILATOR.

Applicant : ARAMPULICKAL ABDUL RAHIMAN ABDUL RAHMAN, ARAMPULICKAL HOUSE, EDAYIRICKAPUZHA P.O. 686 541, KOTTAYAM DISTRICT KERALA, INDIA, INDIAN NATIONAL.

Inventor : ARAMPULICKAL ABDUL RAHIMAN ABDUL RAHMAN, KERALA.

Application No. 535/Mas/93 filed on 3rd August, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Chennai Branch.

5 Claims

A ventilator comprising a cement concrete frame of a configuration matching the ventilating opening provided in a building, so as to be snugly receivable in the said opening and cemented in place therein, said frame being precast in a mould of the said configuration to provide a window and a screen of the desired mesh-size spanning the window, the edge of the screen, all around, being embedded in the body of the frame during moulding, so as to be integral therewith and thus irremovably located therein.

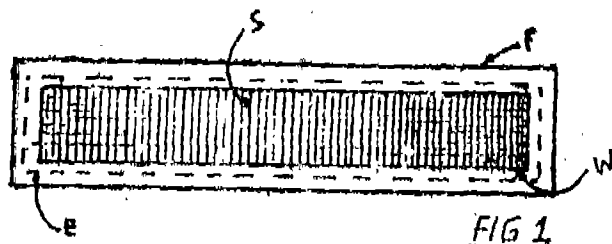


FIG 1

(Compl. Specn. 7 pages;

Drawg. 1 sheet.)

Ind. Cl. : 5 B, D

181259

Int. Cl. : A 01 D 34/00.

A ROTARY MOWER CUTTING HEAD.

Applicant : SHIMON NER-GAON AN ISRAELI CITIZEN OF 6 REMEZ STREET BAT YAM ISRAEL.

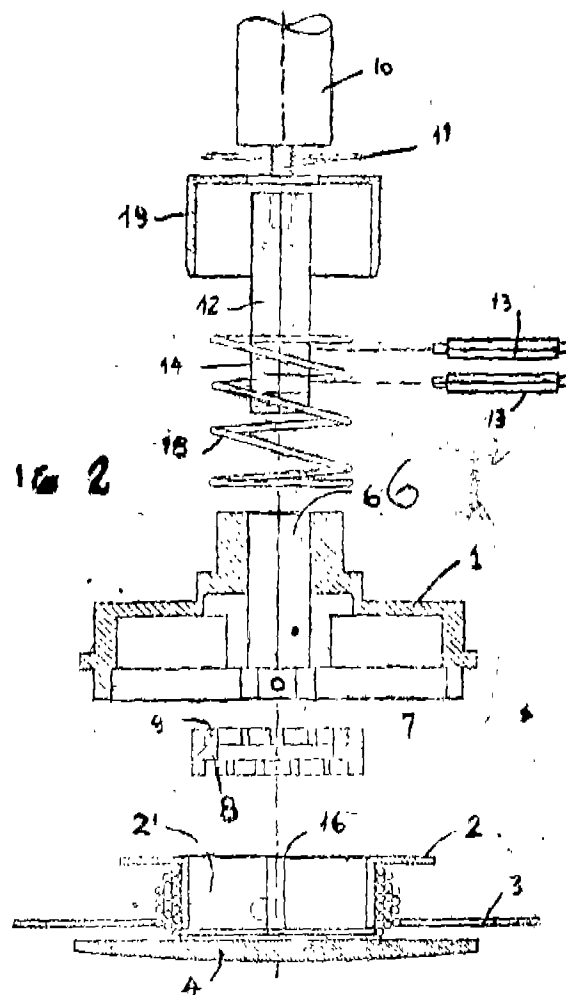
Inventor : SHIMON NER-GAON, ISRAEL.

Application No. 582/Mas/93 filed on 18th August, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Chennai Branch.

11 Claims

A rotary mower cutting head which comprises a housing in which is mounted a spool on which is wound at least one flail, said spool also being a cover for said housing, said spool having an inner space to accommodate a release mechanism being a ring shaped member, there being further provided a helical spring and a central shaft of a non-circular cross-section which is connected to the release mechanism, in a step rotation manner.



(Compl. Specn. 9 pages;

Drawgs. 5 sheets.)

Ind. Cl. : 56 B

181260

Int. Cl. : C 10 G 11/02.

COMPOSITION OF MATTER SUITABLE AS CATALYST BASE IN HYDROPROCESSING.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., CAREL VAN BYLANDTLAAN 30, 2596 HR THE HAGUE THE NETHERLANDS, A NETHERLANDS COMPANY.

Inventor : JOHANNES ANTHONIUS ROBERT VAN VEEN.

Application No. 601/Mas/93 filed on 24th August 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Chennai Branch.

14 Claims

Composition of matter suitable as catalyst base in hydro-processing comprising from 5—90%w of crystalline aluminosilicate, from 10—95%w of binder and, optionally, from 2 to 40%w of at least one hydrogenation component of a Group VI metal and/or from 0.05 to 10%w of at least one hydrogenation component of a Group VIII metal, calculated as metal per 100 parts by weight of total catalyst, wherein the crystalline aluminosilicate comprises a modified Y zeolite having a unit cell size below 24.37 Å, a water adsorption capacity (at 25°C and a p/Po value of 0.2) of at least 8% w of modified Y zeolite, a pore volume of at least 0.25ml/g wherein between 10% and 60% of the total pore volume is made up of pores having a diameter of at least 8 nm, which modified Y zeolite has an absorbance ratio of at most 0.040, expressed as the absorbance in the infrared frequency region of $3670 \pm 10 \text{ cm}^{-1}$ divided by the absorbance in the infrared frequency region of $3630 \pm 10 \text{ cm}^{-1}$.

(Compl. Specn. 14 pages.)

Ind. Cl. : 61JH

181261

Int. Cl. : A61F 13/16.

DISPOSABLE ABSORBENT ARTICLE.

Applicant : THE PROCTER & GAMBLE COMPANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA.

Inventors :

- (1) MARY ELAINE FREELAND,
- (2) PATRICK JAY ALLEN.

Kind of Application : Complete.

Application for Patent No. : 260/Del/90 filed on 19-3-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

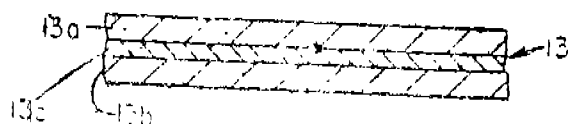
A disposable absorbent article (10) having two transverse (42, 44) waist portions and two longitudinal marginal portions, said article comprising :

a liquid impervious backsheet (16)

a liquid pervious topsheet (12) at least partially peripherally joined to said backsheet;

an absorbent core (18) intermediate said topsheet and said backsheet; wherein

at least one leg (56, 62) cuff disposed in each longitudinal marginal portion, each said leg cuff having at least one elastic (60, 77) member defining a cumulative width, wherein said leg cuff is elastically extensible in at least one direction and elongated 50 to 350 percent, without rupture, upon application of about 270 grams per centimeter of said cumulative width and said leg cuff has a differential force per 50 percent increment of elongation less than 14 grams per centimeter of said cumulative width.



(Compl. Specns. : 38 pages;

Drawing Sheets : 2)

Ind. Cl. : 35 E

181262

Int. Cl. : C04 B 33/24

AN IMPROVED PROCESS FOR THE PURIFICATION OF PROCESSED CHINA CLAY BY REMOVAL OF ULTRA FINE CARBONACEOUS ALL BELOW 10 UM.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

1. PATTATHIL RAGHAVAN,
2. SATHY CHANDRASEKHAR,
3. MALATHY LALITHAMBIKA,
4. ALATHUR DAMODARAN DAMODARAN,
5. CHOKKALINGAM PILLAI SIVAM.

Application for Patent No. 288/Del/90 filed on 22-03-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

An improved process for the purification of processed china clay by removal of ultrafine carbonaceous impurities all below 10 um which comprises

- (i) making the slurry of processed clay in water,
- (ii) conditioning the processed clay slurry of pH 4 to 10 by treating with 1—4 kg/ton of dry solids dispersing and/or depressing agents such as herein described in order to disperse or depress the clay in a froth floatation cell for 5—25 minutes,
- (iii) conditioning the said resulting slurry by adding 0.5—2.5 kg/ton of dry solids known hydrocarbon collector to the said clay to flocculate, the ultrafine particles for a period of 5—25 minutes,
- (iv) adding 0.15—0.3 kg/ton of dry solids frothing agent such as herein described to the conditioned slurry so as to generate and disperse very fine air bubbles throughout the slurry, and
- (v) separating the purified clay from the carbonaceous impurities by conventional technique.

(Complete Specification : 9 Pages;

Drawing : Nil)

Ind. Cl. : 5D

181263

Int. Cl. : A01c 1/00

A PORTABLE DIGITAL SOIL SALINITY TESTER.

Applicant & Inventor : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001.

Kind of Application : Complete.

Application for Patent No. 99/Del/91 filed on 7-2-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

A portable digital soil salinity tester which comprises a sensing unit consisting of four annular hollow ring electrodes (A, B, C and D), the distance between electrodes A and B is equal to the distance between electrodes C and D, the said electrodes are separated by annular insulators to form a cylin-

dricul hollow prob, the sensing unit (probe) having a temperature sensing capsule fixed on its centre outer surface, and being connected independently to an electronic processing unit; consisting of a signal source, a buffer and signal conditioning circuit, the A and D electrodes being connected to the output of the signal source and the two B and C-electrodes being connected to the input of the buffer and signal conditioning circuit, the output of which being connected to a digital display unit through a selector switch, the output of the temperature sensor being connected to the digital display unit through a temperature interface and selector switch.

(Complete Specification : 14 Pages; Drawing : 2 Sheets)

Ind. Cl. : 77A

181264

Int. Cl. : C11B 1/00

A PROCESS FOR THE PREPARATION OF PHOSPHATED SULPHITED FATLIQUORS BASED ON MARINE ANIMAL AND VEGETABLE OILS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAJ MARG, NEW DELHI-110001

Inventors :

1. KRISHNA IYER VIJAYALAKSHMI;
2. GEETHA BASKAR,
3. VEMU VENKATA MURALIDHARA RAO,
4. KANGAYAM SUBRAMANYA JAYARAMAN,
5. SAMBO SANKARA RAJADURAI,
6. GOPALAKRISHNA THIYAGARAJN,
7. KRISHNASWAMI PARTHASARATHI.

Kind of Application : Provisional Complete.

Application for Patent No. 141/Del/91 filed on 20-2-1991.
(Complete left after Provisional filed on 18-5-1992).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110001.

8 Claims

A process for the preparation of phosphated sulphited fatliquors based on marine, animal and vegetable oils which comprises :

- (a) reacting an appropriate marine, animal or vegetable oil with polyethylene glycol 200/400/600 in equal molar proportions in the presence of conventional acid catalyst such as herein described to obtain the polyethylene glycol mono ester of the fatty acid and a mixture of mono and diglycerides.
- (b) reacting the polyethylene glycol mono-ester of the fatty acid and a mixture of mono and diglycerides of step (a) with ortho phosphoric acid in equal molar proportions at a temperature with a range of 150°—180°C for a period ranging from 3—5 hours.
- (c) sulphiting the phosphated mono ester of the fatty acid and the mixture of mono and diglycerides by known method such as herein described, and
- (d) neutralising the resultant solution with a suitable alkali solution to pH 6.5—7.0.

(Provisional Specification : 8 Pages; Drawing Sheet : Nil)
(Complete Specification : 12 Pages; Drawing Sheet : Nil)

Ind. Cl. : 78E

181265

Int. Cl. : C07C 2/09, 6/04

A PROCESS FOR THE PREPARATION OF LINER OLEFINS.

Applicant : SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V. A NETHERLANDS COMPANY, OF CAREL VAN BYLANDT LAAN 30, 2596 HR. THE HAGUE, THE NETHERLANDS.

Inventors :

1. MICHAEL JOHN DOYLE, BRITISH,
2. WILLEM TERKLOUW, BRITISH.

Kind of Application : Conventional Complete

Application for Patent No. 145/Del/91 filed on 20-2-1991
(Convention date 22-2-90/9004014 8/UK).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

12 Claims

A process for the preparation of linear olefins comprising reacting ethene with at least one further alpha olefin such as hereinbefore described under oligomerizing conditions at a temperature in the range of 90 to 125°C in the presence of a catalyst system comprising a combination of (1) a bis-(cyclopentadienyl) Group IVA metal compound of the kind such as hereinbefore described containing a substituent capable of reacting with a cation and (2) a combination of (i) a compound of the kind such as hereinbefore described having bulky anion containing a plurality of boron atoms and (ii) and cation of the kind such as herein described, the anion being substantially noncoordinating under the reaction conditions and recovering an oligomeric product comprising linear olefins.

(Complete Specification : 12 Pages; Drawing Sheet : Nil)

Ind. Cl. : 177 B, D

181266

Int. Cl. : F280C 1/00, 7/00

A ROTARY JOINT FOR INTRODUCING OR REMOVING FLUID FROM A ROTATING DRUM.

Applicant : THE HOBINSON CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF MICHIGAN, U.S.A., 805 WOOD STREET THREE RIVERS, MICHIGAN 49093, U.S.A.

Inventor : GERAUD L. TIMM, A U.S. CITIZEN, OF 16770 PRAIRIE RONDE SCHOOLCRAFT MICHIGAN 49087, U.S.A.

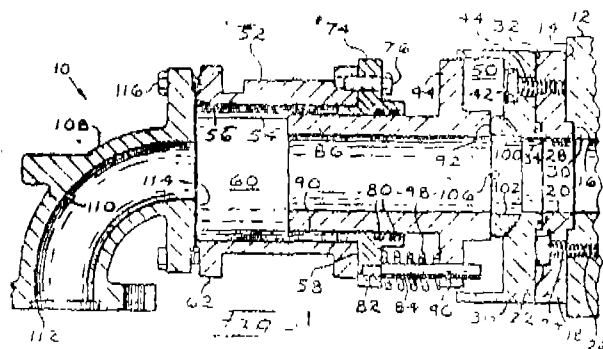
Kind of Application : Complete.

Application for Patent No. 250/Del/91 filed on 25-3-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

13 Claims

A rotary joint for introducing or removing a heat exchanging medium, such as steam, from a rotary driver drum characterized by its ability to accommodate significant axial expansion or contraction with respect to the axis of drum rotation. A rod supported housing includes an axially displaceable nipple having an end engaging an annular seal ring associated with a drum journal mounted wear plate. Axial movement between the wear plate and joint housing is accommodated by relative movement between the housing and nipple, and preferably, springs axially bias the nipple into engagement with a self-aligning seal ring to maintain a fluid tight connection under all thermal and pressure conditions.



(Complete Specification : 35 Pages; Drawing : 1 Sheet)

Ind. Cl. : 50D.

181267

(Claims 8)

Int. Cl. : F28 3/00.

"AN AIR COOLER".

Applicant : EHSAN ULLAH SIDDIQUI, AN INDIAN NATIONAL OF 44, AVAS VIKAS, MALL AVENUE, LUCKNOW-226 991, INDIA.

Inventor(s) : EHSAN ULLAH SIDDIQUI.

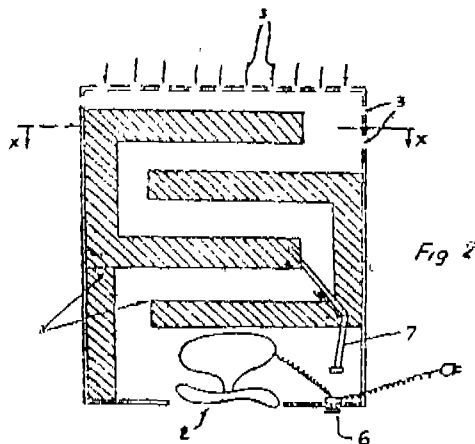
Application for Patent No. 1148/Del/91 filed on date 25-11-91.

Complete left after provisional specification on 19-11-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

(Claims 4)

An air cooler comprising a cabinet having front, rear and sidewalls, opening being provided at least on the rear wall of said cabinet, an exhaust fan mounted on the front wall of said cabinet so as to draw atmospheric air from the openings of said rear wall and to discharge it is cooled air through said front wall, characterised in that a plurality of porous member being extended alternately from the either sidewalls and terminating away from the oppositesidewalls, so as to define a zig zag air flow path within said cabinet, means being provided for supplying water onto said porous members from the over head water reservoir.



(Provisional Specification : 6 pages; Drawing Sheet : Nil)

(Complete Specification : 9 pages; Drawing Sheets : 2)

Ind. Cl. : 114 A

181268

Int. Cl. : C 14 C 1/00 & 3/00 & 9/00.

AN IMPROVED NONENZYMATIC SULPHIDE FREE PROCESS FOR THE PRODUCTION OF UNHAIRED HIDES & SKINS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

- (1) PRAVEEN KUMAR SEHGAL,
- (2) GOVINDASAMY RAMAMURTHY,
- (3) KRISHNA BALLABH GUPTA,
- (4) MAHENDRA KUMAR &
- (5) CHELLAPPA MURALIDHARAN.

Application for Patent No. : 26/Del/92 filed on date 2-01-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

4-47 GI/98

An improved nonenzymatic sulphide free process for the production of unhaired hides & skins which comprises treating soaked hides and the skins to be unhaired with an alkaline paste of a salt of nickel, silver or mercury other than sulphide salt at a pH in the range of 11-13 for 12-16 hrs in the presence or absence of conventional inert binder, washing the resultant unhaired hide or skin with water.

(Complete Specification : 9 pages; Drawings : Nil)

Ind. Cl. : 36A1

181269

Int. Cl. : F04 B 37/08.

AN IMPROVED SOLAR PUMP FOR PUMPING LIQUIDS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860) HEREBY DECLARE :—

Inventors :

- (1) C. K. GOPINATHAN,
- (2) GAJANAN P. NAIK.

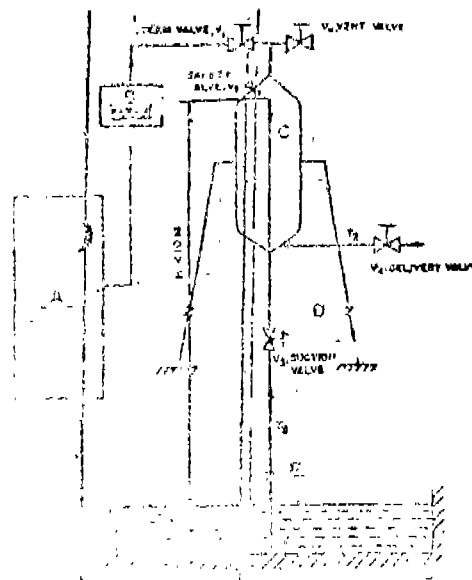
Application for Patent No. 160/Del/92 filed on 26-2-92.

Complete left after provisional filed on 13-5-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

(Claims 3)

An improved pump useful for pumping water and other liquids, which comprises any heat source such as herein described (A) capable of generating steam/vapour in a steam/vapour generator (B), the outlet pipe (T₁) of the steam/vapour generator (B) being connected through a vapour inlet valve (V₁) to the top of a storage tank (C), also having safety valve (V₅) and vent valve (V₄) at its top, the storage tank being provided with a vertical inlet pipe (T₂) at the bottom and extending almost upto the top, the lower end of pipe (T₂) being connected through suction valve (V₃) to a source (E) of water/liquid, at the lower end of the tank (C) being provided a delivery pipe (T₃) connected to a valve (V₆), the heat source (A), steam/vapour generator (B), tank (C) being provided with suitable stand/structural supports.



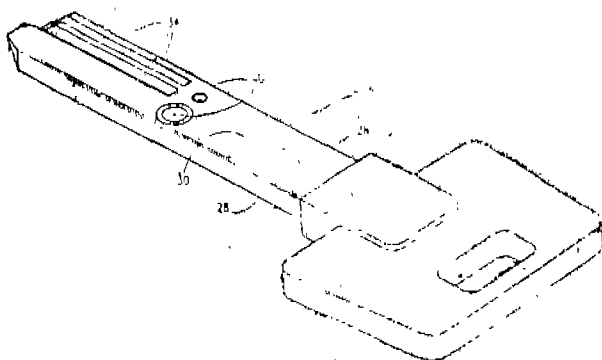
(Provisional Specification : 6 pages;

D-awing 1 Sheet)

(Complete Specification : 13 pages;

Drawing : 1 Sheet)

moveable pin element is recessed with respect to said second side surface (30) it protrudes outwardly from said first side surface (28) along said row of keycuts (32, 182).



(Compl. : 21 pages;

Drwgs. : 16 Sheets)

Ind. Cl. : 129-G

181275

Int. Cl.⁴ : B 21 B 27/06.

PLANT FOR CONTROLLED COOLING OF WIRE FROM THE ROLL HEAT WITH A SUCCESSION OF INTERACTING PLANT PARTS OR WORK STATIONS.

Applicant : SMS SCHLOEMANN-SIEMAG AG., OF EDUARD-SCHLOEMANN-STRASSE 4, 4000 DUSSELDORF 1, FEDERAL REPUBLIC OF GERMANY. A GERMAN COMPANY.

Inventor : JOHANN GROTEPASS.

Application No. 36/Mas/93 dated January 21, 1993.

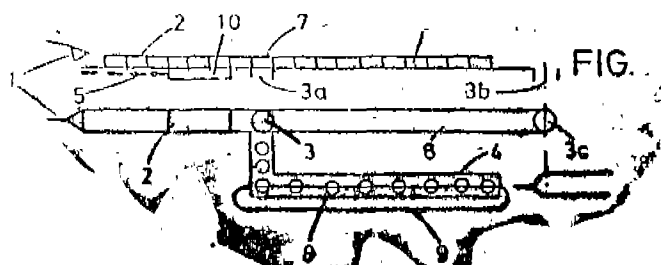
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

Plant for controlled cooling of wire from the roll heat with a succession of interacting plant parts or work stations, comprising a coiler (1) with an adjoining cooling line (2) with at least one cooling zone and a downstream coil build-up station (3) with an adjoining device (4) for discharge of the wire coils, whereby one or more of the plant parts or work stations (2-10) involved in the wire cooling are designed modifiably for optional adaptation to various cooling characteristics by the factory in modular construction for the attachment of booster sets and/or expansion stages, characterized in that it is designed for maximum requirements of material-compatible cooling characteristics of various wire products with a combination of expansion stages which displays a combination of the following features :

- (a) in a first expansion stage, a number of ventilators (5) are located below the cooling line (2) for accelerated cooling of the wire;
- (b) in a second expansion stage, the cooling line (2) is supplemented with a water-cooling zone (10) for extremely rapid and intensive cooling of the wire;
- (c) in a third expansion stage, the cooling line (2) is formed with at least one additionally attachable cooling zone (8) for delayed cooling of the wire;
- (d) in a fourth expansion stage, the transport facility (2, 6) between coiled (1) and coil build-up station (3) is equipped with insulated basts, side sections and cover plates (7) for strongly delayed cooling of the wire;
- (e) in a fifth expansion stage, the cover plates (7) are formed heatably with radiators for attachment of a foreseen wire structure through extremely delayed cooling;

- (f) in a sixth expansion stage, insulating caps (8) follow in on a circular path (9) are assigned to the transport facility (4) provided for discharge of the wire coils for a further-reaching delay in the cooling of the coils after leaving the coil build-up station (3).



(Comp. : 15 pages;

Drwg. : 1 Sheet)

Ind. Cl. : 120 B 5, C1

181276

Int. Cl.⁴ : B 60 B 35/00

A VEHICLE AXLE CARRIER HAVING PINION BEARING AND A LUBRICATING DEVICE FOR THE PINION BEARINGS.

Applicant : DANA CORPORATION, A CORPORATION OF THE STATE OF VIRGINIA, U.S.A., OF 4500 DORR STREET, TOLEDO, OHIO 43615, U. S. A.

Inventor : CHIA-LIU KUAN.

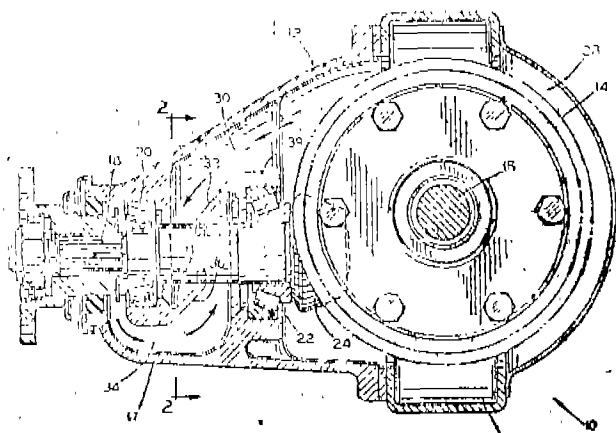
Application No. 062/Mas/93 filed on 29th Jan. 1993.

Appropriate Officer for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

16 Claims

A vehicle axle carrier having pinion bearings and a lubricating device for the pinion bearings comprising :

- (a) a housing having an upper portion and a lower portion;
- (b) a pinion having a pinion shaft rotatably mounted in said housing by spaced apart inboard and outboard pinion bearings;
- (c) deflector means having a first portion thereof disposed adjacent said inboard pinion bearing in the upper portion of said housing for directing the flow of lubricant toward said outboard pinion bearing and a second portion thereof disposed adjacent said outboard pinion bearing in the lower portion of said housing for directing the flow of lubricant toward said inboard pinion bearing.



(Com. 13 pages;

Drwgs. 3 sheets)

Ind. Cl. : 172 D2

181277

Int. Cl.⁴ : D 01 H 1/00**SPINNING MACHINE".**

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventor : WOLF HORST.

Application No. 69/Mas/1993 filed on 1st February, 1993.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Chennai.

08 Claims

A spinning machine, in particular a ring spinning machine, comprising at least one group of spinning positions (25) on which empty tubes (19) are wound with yarn during main time intervals (14) and the wound tubes (20) are exchanged for empty tubes (19) by a tube changing device (26) having doffer beams (10) during intermediate time intervals (17) laying between the main time intervals (14), at least one tube transportation device (24) for moving the empty tubes (19) or full tubes (20) to or from the spinning positions (25), at least one main motor (1) for driving the spindles (18) on the spinning positions (25) during the main time intervals (14), at least one auxiliary motor (2) for driving the tube changing device (25) during the intermediate time intervals (17), at least one main-frequency changer (4) for supplying a variable frequency operating current to the main motor (1) during the main time intervals (14) and to the auxiliary motor (2) during the intermediate time intervals (17) and at least one auxiliary frequency changer (5) for supplying a variable frequency operating current to the auxiliary motor (2) during the main time intervals (14).

(Com. Specn. 15 pages)

Drwgs. 2 sheets

Ind. Cl. : 193

181278

Int. Cl.⁴ : B 23 K 1/20

"A JOINT STRUCTURE FOR JOINING A SILICON MEMBER TO A MEMBER COMPRISING A REFRACTORY METAL, AND A METHOD FOR FORMING THE SAME".

Applicant : WESTINGHOUSE BRAKE AND SIGNAL HOLDINGS LIMITED, A BRITISH COMPANY, OF PEW HILL, CHIPPENHAM, WILTSHIRE SN 15 1RT, ENGLAND.

Inventors :

1. CARLO FERRANDO
2. STEPHEN CHAN

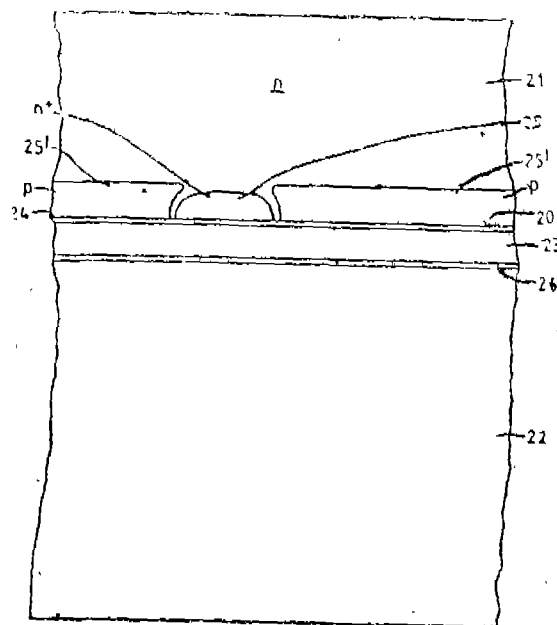
Application No. 163/Mas/93 filed on 4th March, 1993.

(Convention Date 5th March, 1992, No. 9204731.5, Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

19 Claims

A joint structure for joining a silicon member to a member comprising a refractory metal, the said joint structure comprising a layer of titanium silicide adjacent the silicon member and a layer of solder, containing aluminium as the principal constituent lying between the layer of titanium silicide and the member comprising a refractory metal.



(Com. 12 pages;

Drwgs. 3 sheets)

Ind. Cl. : 123

181279

Int. Cl.⁴ : C 05 F 9/04**"A PREFABRICATED VERMICOMPOST PLANT".**

Applicant : SULTAN AHMED ISMAIL, "AL-NOOR", 156/1, JANI JEHANKHAN ROAD, MADRAS-600014, TAMIL NADU, INDIA.

Inventor : SULTAN AHMED ISMAIL.

Application No. 169/Mas/1993 filed on 8th March, 1993.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

01 Claim

A prefabricated vermicompost plant comprising a prefabricated rectangular tank (1) having at the bottom a convex floor to facilitate flow of excess water through the meshed outlets (2), a column of vermibed (3) on top of the flooring, the said vermibed consisting of a layer of aggregate comprising of a 2" brick-sand layer and nearly 6" layer of loamy soil into which earthworms are inoculated, garnished with dung and litter, the said vermibed being covered by a mesh (4) which is supported on pegs (5), the upper portion of the said tank having a mesh (7) with an opening and closing facility for the introduction of organic garbage, plurality of agitators (6) mounted on the side walls of the said tank for facilitating the turning over of

activated carbon, at least each of said lower sand layer and activated carbon layer having respective upper surfaces which are substantially level whereby to provide layers of desired thickness.

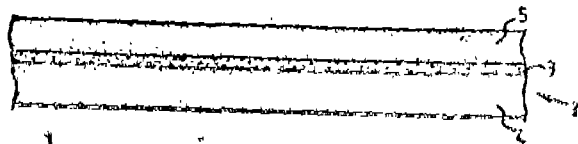


FIG. 1

(Compl. Specn. : 22 pages;

Drgns. : 4 sheets)

Cl. : 172 B

181284

Int. Cl. : D 01 H 13/30

"IMPROVED DEVICE FOR MOISTENING FABRIC MATERIAL WHICH IS SPOOLED ON AT LEAST A HOLLOW BOBBIN CASE".

Applicant & Inventor : GILBERT DE BELEYR, OF IMMEUBLES DONNATELLA-13-AVENUE DES PAPILLONS, 98000 MONACO.

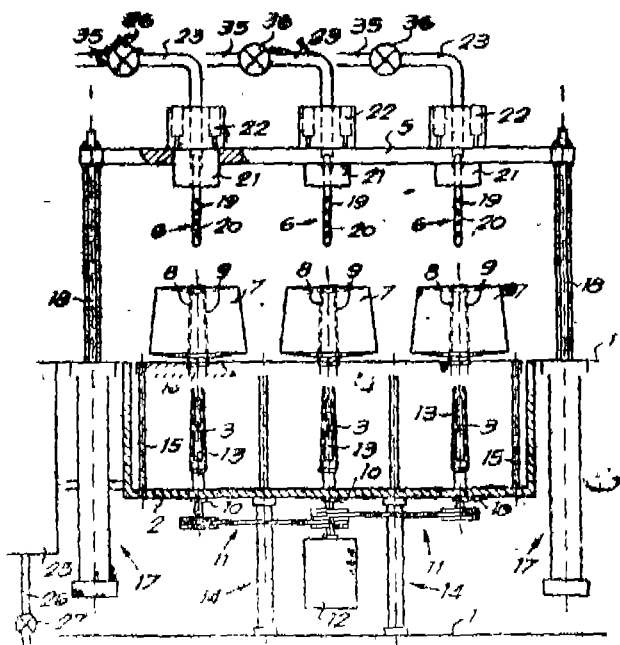
Application No. : 129/Cal/1994 filed on 4th March, 1994.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

15 Claims

Improved device for moistening fabric material (7) which is spooled on at least a hollow bobbin case (8) which is open on both ends and which is provided with openings (9) in its wall, whereby said device contains a tub (2), at least a vertical drive shaft (3) mounted in this tub (2) to catch and drive a bobbin case (8) with fabric material (7) to be moistened, at least a sprinkler (6) to sprinkle moistening liquid in the bobbin case (8), means (24) to supply moistening liquid to the sprinkler (6), a table (4) which is moveably mounted above the drive shaft (3) which table (4) is provided with an opening (16) for the drive shaft (3) and means (14) to move the table (4) up and down between a position situated above the drive shaft (3) and a position lowered over the drive shaft (3) characterized in that, the sprinkler (6) is mounted on a support (5) situated above the table (4) and moveably mounted with respect to the tub (2), and that the device contains means (17) for moving the support (4) up and down.

Fig. 1



(Compl. Specn. : 17 pages;

Drgns. : 5 sheets)

Cl. : 87 B

181285

Int. Cl. : A 63 B 53/02, 58/04, 53/08, 53/12

"GOLF CLUB HEAD".

Applicant : CALLAWAY GOLF COMPANY, OF 2285 RUTHERFORD ROAD, CARLSBAD CALIFORNIA 92008-3815 UNITED STATES OF AMERICA.

Inventors :

1. GLENN HOWARD SCHMIDT

2. RICHARD CHARLES HELMSTETTER

Application No. : 194/Cal/1994 filed on 23rd March, 1994.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

22 Claims

A golf club head having toe and heel portions, a front wall defining an inclined ball striking face, top and bottom walls, characterised in that the bottom wall of the head has a medial ridge and two similar shallow recesses each with a concave surface, one recess being positioned between the ridge and heel portion, and the other recess between the ridge and toe portion, the two recesses being located rearwardly of the front wall, one recess having an arcuate peripheral edge portion generally convex toward the heel portion and the other recess having an arcuate peripheral edge portion generally convex toward the toe portion, so that the recesses have a substantially mirror-imaged relation with respect to a vertical plane bisecting the ridge in a front-to-rear direction relative to the head, and the bottom wall further includes a surface extending rearwardly and upwardly from a rear edge of the ridge, the edges of that surface and the two concave recesses form on a bottom surface an arcuate row, whose convexities are upwardly directed, when seen from the rear of the club head.

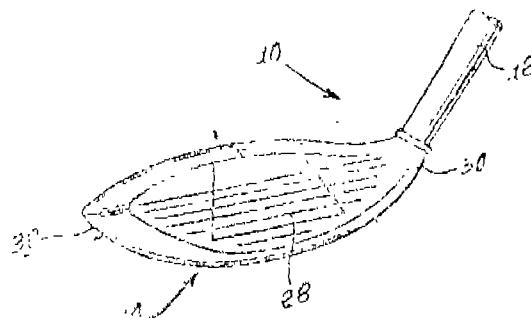
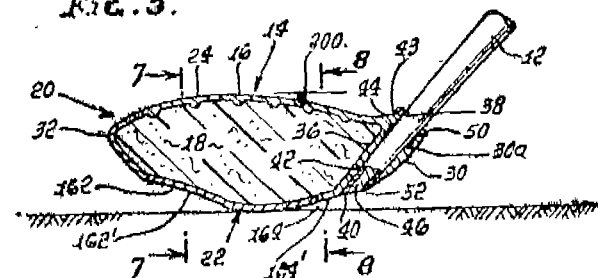


Fig. 5.



(Compl. Specn. : 37 pages;

Drgns. : 15 sheets)

Cl. : 39 I.

181286

Int. Cl. : C 01 G 23/00

"PROCESS FOR PRODUCING PURIFIED TITANIFEROUS MATERIAL".

Applicant : TECHNOLOGICAL RESOURCES PTY LTD, OF 55 COLLINS STREET MELBOURNE VICTORIA 3000 AUSTRALIA.

Inventors :

1. MICHAEL JOHN HOLLITT
2. ROSS ALEXANDER MCCLELLAND

Application No. 375/Cal/1994 filed on 19th May, 1994.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

10 Claims

A process for producing purified titaniferous material free from impurities such as herein described from titaniferous material such as herein described thermally reduced by methods known per se and including a titaniferous phase of general formula M_2O_3 , (wherein "M" stands for metal ions) said process comprising the steps of :

- (i) subjecting the thermally reduced titaniferous material to a secondary heat treatment carried out in a temperature range of 700° — 900° C to convert said M_2O_3 phase to a more readily leachable M_2O_4 phase;
- (ii) cooling the titaniferous material obtained from step (i) to form a cooled heat treated titaniferous material containing said M_2O_4 phase;
- (iii) leaching the cooled heat treated titaniferous material in an aqueous acid solution containing hydrochloric acid or sulphuric acid that is capable of dissolving at least a portion of said impurities contained in the titaniferous material to form a leachate; and
- (iv) separating the leachate from the titaniferous material obtained in step (iii), to obtain said purified titaniferous material.

(Compl. Specn. : 18 pages;

Drngs. : Nil)

Cl. : 179 E, F

181287

Int. Cl. : B 65 D 8/12

"AN IMPROVED PACKAGE".

Applicant : AMERICAN CYANAMID COMPANY, OF ONE CYANAMID PLAZA, WAYNE, STATE OF NEW JERSEY 7470, UNITED STATES OF AMERICA.

Inentors :

1. LINDA A. WALKER
2. EVAN MARC HIRSCH

Application No. 828/Cal/1994 filed on. 10th October, 1994.

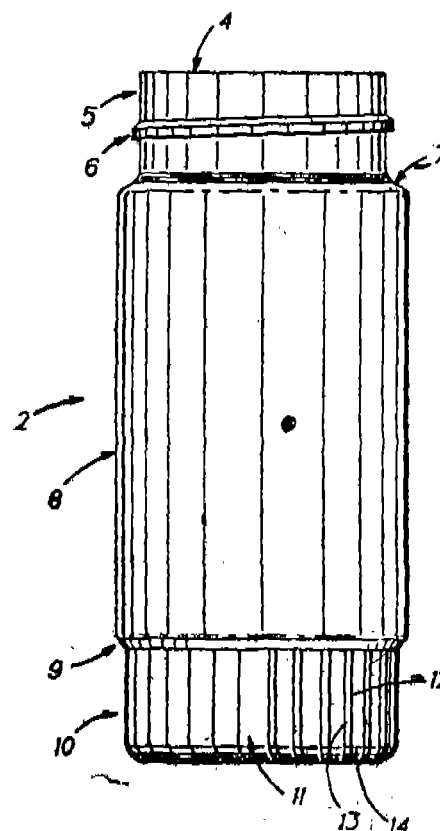
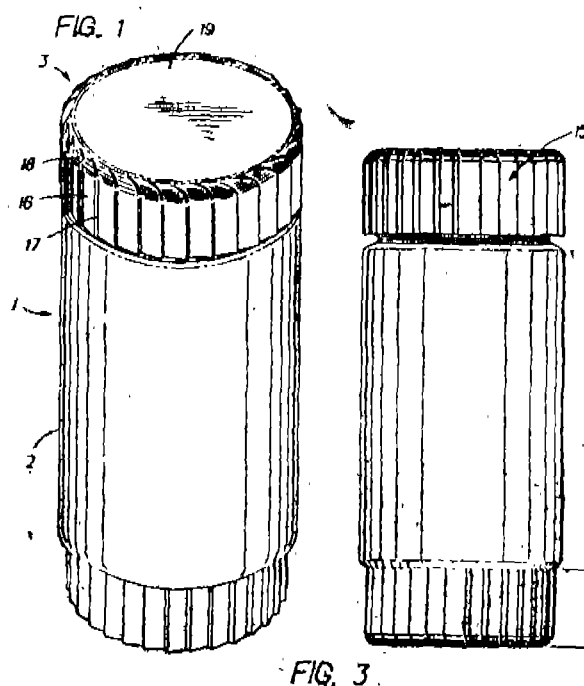
Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

5 Claims

An improved package comprising :

a bottle (2) having a neck (5) defining an opening at one end thereof and a body having a recessed portion (10) at the end opposite the opening, said recessed portion having a plurality of ramps (11) disposed about the perimeter thereof, said bottle having thread means disposed on said neck;

a press-and-turn type cap (3) having an inner shell engageable with said thread means and an outer shell engaging with said inner shell by press-and-turn means, said outer shell having a plurality of ramps (15) disposed about the perimeter of the side thereof, the ramps disposed on said cap facing opposite to the ramps disposed on said bottle.



(Compl. Specn. : 11 pages;

Drngs. : 2 sheets)

Cl. : 55 E 2

181288

Int. Cl. : A 61 K 31/715

"A METHOD FOR THE PREPARATION OF A PHARMACEUTICAL COMPOSITION FOR USE TO PREVENT THE NARROWING OF THE TUBULAR WALLS OF A HUMAN AFTER THE TUBULAR WALLS HAVE BEEN TRAUMATIZED".

Applicant : NORPHARMCO INC., OF 890 YONGE STREET, SECOND FLOOR, TORONTO, ONTARIO, CANADA M4W 3P4.

Inventors :

1. RUDOLF EDGAR FALK
2. SAMUEL S. ASCULAI
3. EVA ANNE TURLEY

Application No. : 669/Cal/1995 filed on 13th June, 1995.

(Divided out of No. 554/Cal/93; dated 22-09-1993).

(Convention No. 2079,205, on 25-9-92; in Canada).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

6 Claims

A method for the preparation of a pharmaceutical composition for use to prevent the narrowing of the tubular walls of a human after the tubular walls have been traumatized, the method comprising combining together with diluents, adjuvants and other pharmaceutical carriers as desired;

- (1) a form of hyaluronic acid selected from hyaluronic acid, pharmaceutically acceptable salts thereof, fragments thereof and subunits of hyaluronic acid having the molecular weight is less than 750,000 daltons,
- (2) a stenosis-inhibiting drug, and at least one agent selected from a non-steroidal anti-inflammatory drug (NSAID) Vitamin C, a free radical scavenger, and anti-oxidant and combinations thereof, for preventing the narrowing of the tubular walls of an animal after the tubular walls have been traumatized, the composition being characterized by an effective non-toxic amount of the form of hyaluronic acid being incorporated into the composition together with a therapeutically effective amount of agent (2), to prevent tubular wall narrowing, wherein the amount of component (1) is an effective amount to prevent the narrowing of the tubular walls of the animal and component (2) also enhances the effect of component (1) in the prevention of the narrowing of the tubular walls.

(Compl. Specn. : 27 pages;

Drngs. : 6 sheets)

Cl. : 55 E 2

181289

Int. Cl. : A 61 K 31/73

"A METHOD FOR THE PREPARATION OF A PHARMACEUTICAL COMPOSITION FOR PREVENTING ARTERIAL RESTENOSIS AFTER BALLOON ANGIOPLASTY IN A HUMAN".

Applicant : NORPHARMCO INC., OF 890 YONGE STREET, SECOND FLOOR, TORONTO, ONTARIO CANADA, M4W 3P4.

Inventors :

1. RUDOLF EDGAR FALK
2. SAMUEL S. ASCULAI
3. EVA ANNE TURLEY

Application No. 670/Cal/1995 filed on 13th June, 1995.

(Convention No. 2,079,205-1 on 25-9-92 in Canada).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

6 Claims

A method for the preparation of a pharmaceutical composition for preventing arterial restenosis after balloon angioplasty in a human, the method comprising combining a form of therapeutically effective non-toxic amount of hyaluronic acid such as herein described having a molecular weight less than 750,000 daltons with a suitable diluent or pharmaceutically acceptable carrier suitable for administering the composition to the human, the amount of the form of hyaluronic acid administered is between 10mg/70kg person and 3000mg/70kg person and optionally comprising a therapeutically effective amount of a non-steroidal anti-inflammatory drug (NSAID) for enhancing the effect of the form of hyaluronic acid administered in the prevention of the narrowing of the tubular walls.

(Compl. Specn. : 28 pages;

Drngs. : 5 sheets)

Cl. : 55 EL/55 F 32 F 4

181290

Int. Cl. : A 61 K 31/54, 31/545, C 07 D 501/04

"THE PROCESS FOR THE PREPARATION OF CEPHALOSPORIN ESTER FREE FROM ISOMER".

Applicant & Inventors : ANIL KUMAR SHARMA AND ARUN MALHOTRA, OF C/O J. K. INDUSTRIES LTD., 7, COUNCIL HOUSE STREET, CALCUTTA.

Application No. : 1185/Cal/1997 filed on 23rd June, 1997.

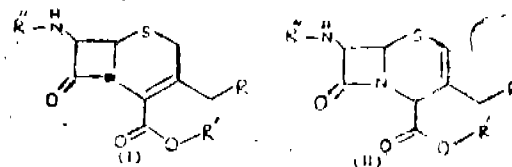
(Complete Specification left after provisional on 11-08-1997).

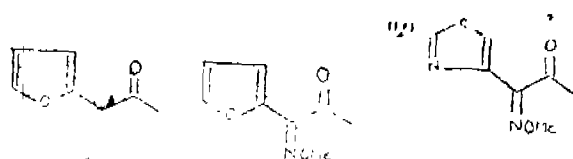
Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

7 Claims

WE CLAIM—

A process of preparing cephalosporin ester of the general formula (I) free from isomer of formula (II).



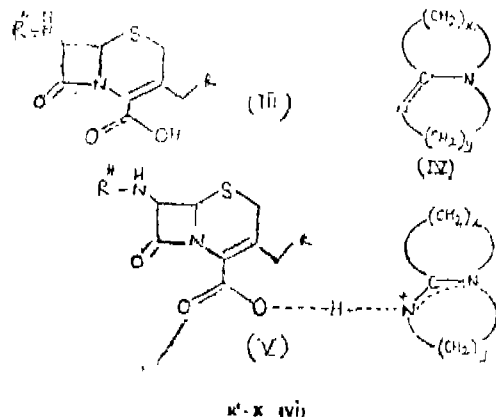


side chain group

For the purpose of the present invention, the amide of formula IV such as have been described in the prior art is also included in the scope of the invention.

The following are the preferred embodiments of the invention, which are described in the claims and the drawings.

The present invention is carried out at a temperature of 10 to 50°C, the molar ratio of bicyclic compounds of formula (I) to (II) is 1:1 to 1:10, and the molar ratio of bicyclic compounds of formula (I) to (II) is 1:1 to 1:10.

R¹ - X (iv)

Wherein X is halogen, R¹ is as defined above.

(Compl. Specn. 11 Pages).

OPPOSITION PROCEEDINGS UNDER SECTION—25

An opposition has been entered by M/s. GODREJ CARE LIMITED, Mumbai on application for patent No. 179304 (124/CAL/93) made by M/s. RECKITT & COLMAN OF INDIA LIMITED.

CESSATION OF PATENTS

162385 162409 162428 162473 162481 162512 162577 162580.
162592 162644 162677 162773 162804 162839 162843 162847
162863

RENEWAL FEES PAID

177238 177239 177241 177245 177247 177248 177249 177252
177253 177254 177255 164034 164419 175808 169505 165167
175575 161238 176875 176174 176558 159964 160355 166411
167895 167940 167738 168135 168294 168301 168105 168702
166166 174639 177258 177264 177269 177273 177274 177278
177279 177280 177311 177314 177318 176031 176123 175844
162291 167667 174556 174565 174558 169266 169504 169761
174564 171251 172088 165169 177444 177744 177937 177930
161566 164033 164524 166519 167860 171256 172041 174560
176268 176443 171248 167666 174809 165166 173488 175570
164967 166474 173799 175300 176594 176418 176878 177117
177451 177452 177453 177456 177460 177462 177463 177466
177468 177449 172044 172086 163276 172497 162877 174488
171639 166822 169547 172581 176062 176150 176476 176479
176702 176717 176833 177465 177183 177914 160687 177262
162523 165767 166319 166754 166829 168400 172277 172742
172750 176866 176350 177250 176888 174788 161620 172105
172278 174619 175611 175620 175736 175737 175738 175855
175850 176061 176067 176099 176100 161527 162352 166168

166170 166439 166491 169279 170837 171017 169947 177701
177702 177703 177704 177705 177708 177185 168348 160184
176029 177934 177811 173552 165186 177970 177969 177966
177968 177965 177967 177675 177717 177718 177722 177723
177724 177725 177729 177742 177750 167912 176530 176834
176883 177182 164970 165838 164843 162496 166851 162497
165189 167489 167938 168109 172101 172212 176168 176714
178318 177604 177642 175288 177040 177619 177537 171424
177348 164425 170887 174115 177074 177683 165744 167376
175997 174149 175049 173589 173640 175835 177633 177792
161466 165843 166878 168830 169496 169737 172524 173291
174118 174253 174835 175839 177434 177614 177844 177987
178319 178412 178427 178610 178678 178768 178824 171078
169004 178411 177109 175039 175689 162925 168223 169735
175962 174197 176054 168906 169334 169387 176293 175042
164132 175278 172346 172055 171065 176573 177497 173259
174459 173140 177615 176050 178203 176300 177779 177954
177531 176492 175558 176284 178709 178827 171554 177038
170728 177105 176566 178797 170882 165026 165569 166542
169739 171691 172861 175219 175938 171138 165846 162519
177577 177370 167983 168984 162585 170729 172006 175583
175826 177473 176991 177667 178370 172798 167223 171555
168677 168678 168679 168680 168382 164998 165315 171526
172926 174299 174659

PATENT SEALED ON 03-04-98

176604 178209*D 178966 178967 178968 178969 178971
178972* 178973 178975* 178976 178977 178978* 178979*D
178980*D 178984* 178985 178986 178987 178988 178989
178990* 178991 178992 178993 178994* 178995* 178997
178999*D 179000*D 179001* 179002 179003 179006*D
179007*F 179010*D 179607

CAL - 14, DEL - 17, MUM - NIL, CHEN - 06.

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D Drug Patents

F Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 174122, Flair Pen Ltd., 63, B. C. Government Ind. Estate, Charkop Kandivili West, Mumbai-400067, Maharashtra, India, "BALL POINT PEN", 23rd June 1997.

Class 1. 174313, Gtech Corporation, of 55, Technology Way, West Greenwich, Rhode Island 02817, U.S.A. a Delaware Corporation, "GAMING TERMINAL", 17th July 1997.

Class 1. No. 174555, Chi Lung Chang, a citizen of Taiwan, of 121, Sec-1, Min-Shang N Road, Kui-Shan Hsiang, Tao-Yuan Hsien, Taiwan, "A DYEING MACHINE", 18th August 1997.

Class 3. No. 173799, Prima Plastics Ltd., of National House, Opp. Sakinaka Police Station, Sakivihar Road, Powai, Mumbai 400072, Maharashtra, India, "CHAIR", 5th May 1997.

Class 3. Nos. 173800 & 173801, Prima Plastics Ltd., of National House, Opp. Sakinaka Police Station, Sakivihar Road, Powai, Mumbai 400072, Maharashtra, India, "CHAIR", 5th May 1997.

Class 3. No. 174787, Vinaybhai Assoo Chheda, 83 T. Tower, Mamalatdar Lane, Malad (W), Mumbai 400064, Maharashtra, India, an Indian national, "ELECTRIC SWITCH", 26th September 1997.

Class 3. No. 174700, Inderjit Singh, Indian national, Sole-Proprietor of Hemkunt Industries, C 148, Mayapuri Ind. Area, Phase II, New Delhi-110064, Delhi State, India, "PHOTO ALBUM", 10th September 1997.

Class 3. No. 174355, Smithkline Beecham P.L.C., a British company of New Horizons Court, Brentford, Middlesex TW8 9EP, England, "BOTTLE", 28th January 1997 (Reciprocity date).

Class 3. No. 174554, Johnson & Johnson Kabushiki Kaisha, East 21 Tower, 3—2 Tohyo 6-chome, Kohto-ku, Tokyo, Japan, a Japanese corporation, "TOOTH-BRUSH", 18th August 1997.

Class 3. No. 174678, Mahesh Kumar trading as Amba Plastics, Indian national, at No. 1, Bharathi Street, Ponnamman Medu Village Madhayaram, Chennai-600110, India, "FLOUR STRAINER", 9th September 1997.

Class 3. No. 174220, Motorola, INC., a corporation of the State of Delaware of 1303, East Algonquin Road, Schaumburg, Illinois 60196, U.S.A., "PAGER", 7th July 1997.

Class 3. No. 174197, Chawla Brothers Ltd., Proprietors, trading as M/s. Kamani Oil Industries, of Abad Bank House 325, Marsi Natha Street, Mumbai 400009, Maharashtra, India, "JAR/CAN" 1st July 1997.

Class 10. Nos. 174327 to 174331, Nikhil Footwear Ltd., an Indian company incorporated under the Indian Comp. Act, G-11, Udyog Nagar, Delhi, India, "SOLE OF FOOTWEAR", 17th July 1997.

H. D. THAKUR

Controller General of Patents Designs & Trade Mark

प्रबन्धक, भारत सरकार मुख्यालय, फरीदाबाद द्वारा मुद्रित
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित 1998

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, RIDABAD,
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1998